

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0563 Tyler Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0563 Tyler Island**

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough (Tyler Island)			Left	12.11
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2019 - 4/5/2019			
DWR Inspector	David Julian			
Accompanied By	Steve Mello RD 563			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	58
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0563_01_s_2012_58				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	101
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0563_01_s_2013_101				
Comment Code					
Inspector Comment					
The LMA maintains an adequate stockpile of flood fight supplies.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	102		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0563_01_s_2013_102						
Comment Code							
Inspector Comment							
The LMA has received flood fight training within the last two years.							

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.01	Rating **	M	Issue No.	130
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.235059 °	38.235059 °
				-121.517480 °	-121.517480 °
DWR ID	DWR_RD0563_01_f_2016_130				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.02	Rating **	M	Issue No.	771
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.234936 °	38.234936 °
				-121.517528 °	-121.517528 °
DWR ID	20199				
Comment Code					
Inspector Comment					
FS_ID:52739					
DS_ID:20199					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 07/13/2018 Unable to locate the pipe. Only standpipe found on LS. (O.Yakimov-DWR UCIP)6/11/2013 Need to determine disposition of pipe. Was it abandoned properly?					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, at an unknown depth. 36-inch concrete standpipe at the landside (LS) toe. Unable to locate pipe, 06/11/2013. [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 6+39), listed as a 1-inch pipe and a 36-inch pipe].					
FS Date: 7/13/2018 9:06:44 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_52739\_24503.jpg



36-inch concrete standpipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.02	Rating **	M	Issue No.	771 (cont)	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.234936 °		38.234936 °
				-121.517528 °		-121.517528 °
DWR ID	20199					
Comment Code						
Inspector Comment						
FS_ID:52739 DS_ID:20199 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 07/13/2018 Unable to locate the pipe. Only standpipe found on LS. (O.Yakimov-DWR UCIP)6/11/2013 Need to determine disposition of pipe. Was it abandoned properly? FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, at an unknown depth. 36-inch concrete standpipe at the landside (LS) toe. Unable to locate pipe, 06/11/2013. [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 6+39), listed as a 1-inch pipe and a 36-inch pipe]. FS Date: 7/13/2018 9:06:44 AM						

Photo 2 of 3 : UCIP\_SP\_2019\_52739\_77710.jpg



Standpipe located on LS.

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>771 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_52739\_77711.jpg



View of levee crown at the crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.04	Rating **	M	Issue No.	77
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.234861 °	38.234133 °
				-121.517934 °	-121.518758 °
DWR ID	DWR_RD0563_01_f_2018_77				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 12.0 L					
Status: Eroding New					
2017 Field Notes: Toe erosion throughout site, slumping, subvertical levee slope in sections.					
Site History:					

No Photos

LM Start	0.06	Rating **	M	Issue No.	131
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234538 °	38.234538 °
				-121.518012 °	-121.518012 °
DWR ID	DWR_RD0563_01_f_2018_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.11	Rating **	M	Issue No.	4
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234018 °	38.234018 °
				-121.518547 °	-121.518547 °
DWR ID	DWR_RD0563_01_s_2019_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.15	Rating **	M	Issue No.	10
LM End	0.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233572 °	38.233572 °
				-121.519083 °	-121.519083 °
DWR ID	DWR_RD0563_01_f_2013_10				
Comment Code					
BU : Building					
Inspector Comment					
There is a tool shed and fire pit on landward slope and toe.					

Photo 1 of 3 : SP\_2019\_RD0563\_210\_10\_20190311\_00006.jpg



Looking east at fire pit on landward slope.

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>0.15</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0563\_210\_10\_20190311\_00007.jpg



Looking southeast at fire pit on landward slope.

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>0.15</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0563\_210\_10\_20190311\_00008.jpg



Looking southeast at storage shed at landward toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

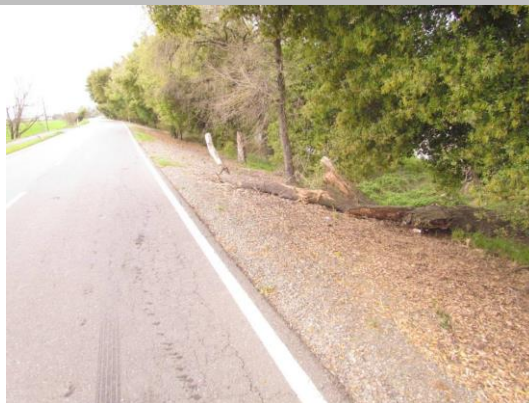
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.17	Rating **	M	Issue No.	32
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233315 °	38.232887 °
				-121.519360 °	-121.519852 °
DWR ID	DWR_RD0563_01_s_2012_32				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A tree has fallen across the waterward slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_32\_20190311\_00015.jpg



Looking downstream at tree branch on waterward slope. (Spring 2017)

LM Start	<b>0.17</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_32\_20190311\_00016.jpg



Looking downstream at fallen tree limb on waterside slope. (Spring 2016)

LM Start	0.19	Rating **	M	Issue No.	2
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.233126°	38.231435°
				-121.519525°	-121.521282°
DWR ID	DWR_RD0563_01_s_2012_2				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

# Reclamation District No. 0563 Tyler Island

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.20	Rating **	M	Issue No.	772 (cont)	
LM End	0.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.233027 °	38.233027 °	
				-121.519631 °	-121.519631 °	
DWR ID	20129					
Comment Code						
Inspector Comment						
FS_ID:52740 DS_ID:20129 EP_NO: 3448 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 07/13/2018 Gas pipeline crossing sign found on LS slope, and monitoring well on levee crown. (O.Yakimov-DWR UCIP)6/11/2013 Sign on waterside slope should be cleared of vegetation. FIELD_STRUCT_DESC: 4.5-inch steel gas line through the levee, 4 feet below the crown and across the channel. Large warning sign on the waterside (WS) slope. (Permit No. 3448, 1960 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/13/2018 9:16:16 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_52740\_77712.jpg



Sign on LS slope.

LM Start	0.21	Rating **	C	Issue No.	138
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232877 °	38.226420 °
				-121.519855 °	-121.525885 °
DWR ID	DWR_RD0563_01_f_2015_138				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation on landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.23	Rating **	M	Issue No.	61
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232692 °	38.226420 °
				-121.520014 °	-121.525885 °
DWR ID	DWR_RD0563_01_s_2019_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

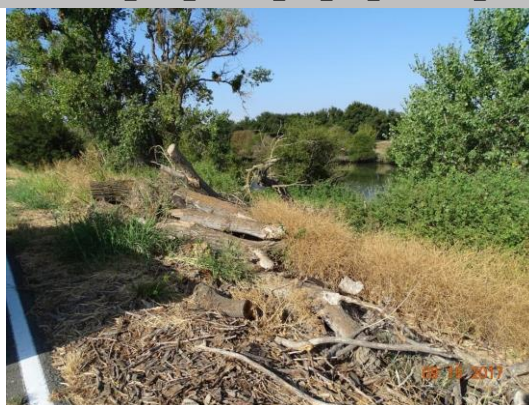
Photo 1 of 1 : SP\_2019\_RD0563\_210\_61\_20190405\_00228.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.40	Rating **	M	Issue No.	114
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.230744 °	38.230744 °
				-121.522022 °	-121.522022 °
DWR ID	DWR_RD0563_01_f_2017_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_114\_20190311\_00079.jpg



Looking southwest at the waterside slope.

LM Start	0.44	Rating **	C	Issue No.	7
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.230357 °	38.230357 °
				-121.522485 °	-121.522485 °
DWR ID	DWR_RD0563_01_f_2018_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.45	Rating **	M	Issue No.	773	
LM End	0.45	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.230185 °	38.230185 °	
				-121.522631 °	-121.522631 °	
DWR ID	20130					
Comment Code						
Inspector Comment						
FS_ID:52741 DS_ID:20130 EP_NO: 11218 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Electrical conduit that is attached to the pipe on WS fell appart at several locations. LS and WS slopes are heavily vegetated. (O.Yakimov-DWR UCIP)06/11/2013 Pipe leaking at various points on WS berm. Failure on berm may indicate potential for failure within the levee. Good candidate for video inspection. (W.Wylie-DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Walkway to pump on pile structure in stream. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. 1-inch air and vacuum valve and a 15-foot-tall by 36-inch-diameter concrete standpipe at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 11218, 1975 - Fong Yock Yee). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L2"" 196+67.8)]. FS Date: 7/13/2018 9:38:39 AM						

LM Start	<b>0.45</b>	Rating **	M	Issue No.	<b>773 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_52741\_24508.jpg



JP on LS slope with 36-inch concrete standpip on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_52741\_24507.jpg



Siphon breaker not visible in 24-inch CMP riser on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.45	Rating **	M	Issue No.	773 (cont)	
LM End	0.45	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.230185 °	38.230185 °	
				-121.522631 °	-121.522631 °	
DWR ID	20130					
Comment Code						
Inspector Comment						
FS_ID:52741 DS_ID:20130 EP_NO: 11218 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Electrical conduit that is attached to the pipe on WS fell appart at several locations. LS and WS slopes are heavily vegetated. (O.Yakimov-DWR UCIP)06/11/2013 Pipe leaking at various points on WS berm. Failure on berm may indicate potential for failure within the levee. Good candidate for video inspection. (W.Wylie-DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Walkway to pump on pile structure in stream. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. 1-inch air and vacuum valve and a 15-foot-tall by 36-inch-diameter concrete standpipe at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 11218, 1975 - Fong Yock Yee). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L2"" 196+67.8)]. FS Date: 7/13/2018 9:38:39 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_52741\_24509.jpg



Pipe and pier on WS.

LM Start	0.45	Rating **	A/W	Issue No.	72
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.230326 °	38.227692 °
				-121.522886 °	-121.526096 °
DWR ID	DWR_RD0563_01_f_2018_72				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.4 L					
Status: Critical					
2017 Field Notes: New erosion site, upgraded to critical. Subvertical face from levee hinge, large erosion pockets, and toe erosion throughout.					
Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.49	Rating **	M	Issue No.	132
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.229747 °	38.229747 °
				-121.523057 °	-121.523057 °
DWR ID	DWR_RD0563_01_f_2018_132				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	M	Issue No.	34
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.229232 °	38.229232 °
				-121.523538 °	-121.523538 °
DWR ID	DWR_RD0563_01_f_2018_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to vehicle traffic.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_34\_20190311\_00017.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	0.56	Rating **	M	Issue No.	143
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.228930 °	38.228930 °
				-121.523935 °	-121.523935 °
DWR ID	DWR_RD0563_01_f_2014_143				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to vehicle traffic.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_143\_20190311\_00104.jpg



Looking southeast at slope damage on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.56	Rating **	M	Issue No.	143 (cont)	
LM End	0.56	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.228930 °		38.228930 °
				-121.523935 °		-121.523935 °
DWR ID	DWR_RD0563_01_f_2014_143					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Slope damage is due to vehicle traffic.						

Photo 2 of 2 : SP\_2019\_RD0563\_210\_143\_20190311\_00105.jpg



Looking northwest at slope damage on waterward slope.

LM Start	0.63	Rating **	M	Issue No.	133
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228272 °	38.228272 °
				-121.524900 °	-121.524900 °
DWR ID	DWR_RD0563_01_f_2018_133				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation on the waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.73	Rating **	U	Issue No.	774
LM End	0.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227262 °	38.227262 °
				-121.525844 °	-121.525844 °
DWR ID	20131				
Comment Code					
Inspector Comment					
FS_ID:52731 DS_ID:20131 EP_NO: 11203 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Dense vegetation on LS slope limits visibility. Crossing remains "Urgent" due to unknown condition of the pipe section through the levee. (O.Yakimov-DWR UCIP) 03/08/2018 LS pipe section replaced however, unable to determine the condition of the pipe section through the levee. LS levee section disburbed and has not been repaired. Crossing remains Urgent due to the unknown condition of the pipe section through the levee. (O. Magana - DWR UCIP)12/02/2016 Same as last inspection signs of leak are still present on both LS and WS. Recommend internal inspection of the pipe integrity though the levee to determine cause of depression on levee (either leak or poor compaction). Pipe debris previous noted on WS has been removed. (O. Magana - DWR UCIP)06/11/2013 Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump located on the waterside (WS). Siphon breaker and switch box also located on the WS slope. Service pole is located on the landside (LS) slope. (12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11203, 1971 - Delta Farmers, Inc.) This crossing has been replaced with 6-inch under DSID 25486, as reported by DWR inspector Richard Willoughby during his Spring 2017 inspection. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954 (HLM 0.73)] FS Date: 7/13/2018					

Photo 1 of 3 : UCIP\_SP\_2019\_52731\_76821.jpg



View of landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	<b>0.73</b>	Rating **	U	Issue No.	<b>774 (cont)</b>
LM End	<b>0.73</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.227262 °	38.227262 °	
			-121.525844 °	-121.525844 °	
DWR ID	20131				

**Comment Code**

**Inspector Comment**

FS\_ID:52731  
DS\_ID:20131  
EP\_NO: 11203  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/13/2018 Dense vegetation on LS slope limits visibility. Crossing remains "Urgent" due to unknown condition of the pipe section through the levee. (O. Yakimov-DWR UCIP)  
03/08/2018 LS pipe section replaced however, unable to determine the condition of the pipe section through the levee. LS levee section disburbed and has not been repaired. Crossing remains Urgent due to the unknown condition of the pipe section through the levee. (O. Magana - DWR UCIP)12/02/2016 Same as last inspection signs of leak are still present on both LS and WS. Recommend internal inspection of the pipe integrity through the levee to determine cause of depression on levee (either leak or poor compaction). Pipe debris previous noted on WS has been removed. (O. Magana - DWR UCIP)06/11/2013 Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump located on the waterside (WS). Siphon breaker and switch box also located on the WS slope. Service pole is located on the landside (LS) slope. (12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11203, 1971 - Delta Farmers, Inc.) This crossing has been replaced with 6-inch under DSID 25486, as reported by DWR inspector Richard Willoughby during his Spring 2017 inspection. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954 (HLM 0.73)]  
FS Date: 7/13/2018

Photo 2 of 3 : UCIP\_SP\_2019\_52731\_76820.jpg



Minor leaks visible on concrete standpipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.73	Rating **	U	Issue No.	774 (cont)
LM End	0.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227262 °	38.227262 °
				-121.525844 °	-121.525844 °
DWR ID	20131				

**Comment Code**

**Inspector Comment**

FS\_ID:52731  
DS\_ID:20131  
EP\_NO: 11203  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/13/2018 Dense vegetation on LS slope limits visibility. Crossing remains "Urgent" due to unknown condition of the pipe section through the levee. (O. Yakimov-DWR UCIP)  
03/08/2018 LS pipe section replaced however, unable to determine the condition of the pipe section through the levee. LS levee section disburbed and has not been repaired. Crossing remains Urgent due to the unknown condition of the pipe section through the levee. (O. Magana - DWR UCIP)12/02/2016 Same as last inspection signs of leak are still present on both LS and WS. Recommend internal inspection of the pipe integrity though the levee to determine cause of depression on levee (either leak or poor compaction). Pipe debris previous noted on WS has been removed. (O. Magana - DWR UCIP)06/11/2013 Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump located on the waterside (WS). Siphon breaker and switch box also located on the WS slope. Service pole is located on the landside (LS) slope. (12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11203, 1971 - Delta Farmers, Inc.) This crossing has been replaced with 6-inch under DSID 25486, as reported by DWR inspector Richard Willoughby during his Spring 2017 inspection. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954 (HLM 0.73)]  
FS Date: 7/13/2018

Photo 3 of 3 : UCIP\_SP\_2019\_52731\_76826.jpg



Subsidence visible on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.73	Rating **	U	Issue No.	3
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.227169 °	38.226370 °
				-121.525892 °	-121.525912 °
DWR ID	DWR_RD0563_01_s_2012_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There is dense vegetation on the waterward slope.					

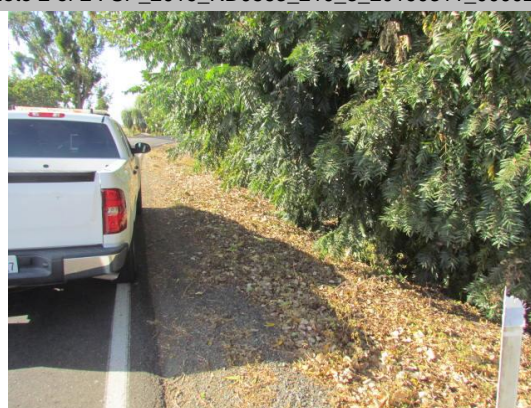
LM Start	<b>0.73</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2019\_RD0563\_210\_3\_20190311\_00001.jpg



Looking east at untrimmed trees on waterward slope. (Fall 2016)

Photo 2 of 2 : SP\_2019\_RD0563\_210\_3\_20190311\_00002.jpg



Looking east at untrimmed trees on waterward slope and toe. (Spring 2016)

LM Start	0.83	Rating **	M	Issue No.	109
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.225827 °	38.225827 °
				-121.526078 °	-121.526078 °
DWR ID	DWR_RD0563_01_s_2018_109				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove large cactus growth on the landside slope and toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.88	Rating **	C	Issue No.	120
LM End	0.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225482 °	38.225482 °
				-121.526882 °	-121.526882 °
DWR ID	DWR_RD0563_01_s_2017_120				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterward slope.					

No Photos

LM Start	0.92	Rating **	M	Issue No.	70
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.225660 °	38.227157 °
				-121.527556 °	-121.530432 °
DWR ID	DWR_RD0563_01_f_2018_70				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.0 L					
Status: Eroding					
2017 Field Notes: Increased toe erosion, slumping, boat wake erosion, and revetment failure near downstream end. Site extended upstream.					
Site History: 2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012 - Site extended upstream. 2013 - Erosion pockets filled with an insufficient amounts of revetment. 2016 - Fresh erosion observed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_70\_20190311\_00029.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.92	Rating **	C	Issue No.	755
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225549 °	38.225549 °
				-121.527658 °	-121.527658 °
DWR ID	DWR_RD0563_01_s_2015_755				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	M	Issue No.	775
LM End	0.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225595 °	38.225595 °
				-121.527813 °	-121.527813 °
DWR ID	20132				
Comment Code					
Inspector Comment					
FS_ID:52744 DS_ID:20132 EP_NO: 11210 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Water pump is running, leak thru pump seal is detected. Pipe on WS has been partially replaced with a new pipe to pumphouse. Remaining part of old pipe needs to be abandoned properly. (O.Yakimov-DWR UCIP)06/11/2013 Pipe does not have sufficient cover at crown. (W.Wylie) FIELD_STRUCT_DESC: 6-inch irrigation pipe of an unknown material through the levee, 3 inches below the crown. Pump and gate valve in pump house on the waterside (WS) slope. Service pole on the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 11210, 1975 - Leland O. Hanson). 1-inch polyvinyl chloride (PVC) electrical conduit through the levee at the same location, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 43+91.9), listed as a 14-inch pipe]. FS Date: 7/13/2018 1:28:34 PM					

Photo 1 of 3 : UCIP\_SP\_2019\_52744\_77722.jpg



Water is leaking thru shaft sealing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>775 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.225595 °	38.225595 °	
			-121.527813 °	-121.527813 °	

DWR ID 20132

**Comment Code**

**Inspector Comment**

FS\_ID:52744  
DS\_ID:20132  
EP\_NO: 11210  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 07/13/2018 Water pump is running, leak thru pump seal is detected. Pipe on WS has been partially replaced with a new pipe to pumphouse. Remaining part of old pipe needs to be abandoned properly. (O.Yakimov-DWR UCIP)06/11/2013 Pipe does not have sufficient cover at crown. (W.Wylie)  
FIELD\_STRUCT\_DESC: 6-inch irrigation pipe of an unknown material through the levee, 3 inches below the crown. Pump and gate valve in pump house on the waterside (WS) slope. Service pole on the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 11210, 1975 - Leland O. Hanson). 1-inch polyvinyl chloride (PVC) electrical conduit through the levee at the same location, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 43+91.9), listed as a 14-inch pipe].  
FS Date: 7/13/2018 1:28:34 PM

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>775 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52744\_77723.jpg



New pipe and old pipe connection on WS.

Photo 3 of 3 : UCIP\_SP\_2019\_52744\_77725.jpg



View of inside of pumphouse.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.95	Rating **	U	Issue No.	121
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.225808 °	38.225808 °
				-121.528197 °	-121.528197 °
DWR ID	DWR_RD0563_01_s_2017_121				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several large rodent holes on the landward slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_121\_20190311\_00084.jpg



Looking at typical rodent hole at this location.

LM Start	<b>0.95</b>	Rating **	U	Issue No.	<b>121 (cont)</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_121\_20190311\_00085.jpg



3/30/2018: Rodent burrows on landside.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.96	Rating **	M	Issue No.	776
LM End	0.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225830 °	38.225830 °
				-121.528201 °	-121.528201 °
DWR ID	20133				
Comment Code					
Inspector Comment					
FS_ID:52745 DS_ID:20133 EP_NO: 11210 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Pipe is open on LS. Same as last inspection. (O.Yakimov-DWR UCIP)12/02/2016 According to LMA representative, Darcy Neuderk, this crossing was installed in 1952 by the USACE and intended to be use for irrigation purposes. However, this crossing has never been used per LMA's knowledge. Crossing has been downgraded from "Urgent" to "Non-Urgent", the flap gate on the WS is functional and prevents any potential flood water from draining to LS. Recommend contacting property owner and working with the CVFPB to address abandoned crossing. (O. Magana - DWR UCIP)06/11/2013 Flap gate rusted in closed position. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 8-inch steel drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS). Pipe open on the landside (LS). (8-inch pipe [HLM 0.97] authorized under Automatic Board Order (ABO) issued as Permit No. 11210, 1975 - Leland O. Hanson). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/12/2018 1:40:12 PM					

LM Start	<b>0.96</b>	Rating **	M	Issue No.	<b>776 (cont)</b>
LM End	<b>0.96</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_52745\_76827.jpg



View of levee crown at pipe crossing.

Photo 2 of 3 : UCIP\_SP\_2019\_52745\_76828.jpg



Pipe with flap visible on WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.96	Rating **	M	Issue No.	776 (cont)	
LM End	0.96	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.225830 °	38.225830 °	
				-121.528201 °	-121.528201 °	
DWR ID	20133					
Comment Code						
Inspector Comment						
FS_ID:52745 DS_ID:20133 EP_NO: 11210 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Pipe is open on LS. Same as last inspection. (O.Yakimov-DWR UCIP)12/02/2016 According to LMA representative, Darcy Neuderk, this crossing was installed in 1952 by the USACE and intended to be use for irrigation purposes. However, this crossing has never been used per LMA's knowledge. Crossing has been downgraded from "Urgent" to "Non-Urgent", the flap gate on the WS is functional and prevents any potential flood water from draining to LS. Recommend contacting property owner and working with the CVFPB to address abandoned crossing. (O. Magana - DWR UCIP)06/11/2013 Flap gate rusted in closed position. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 8-inch steel drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS). Pipe open on the landside (LS). (8-inch pipe [HLM 0.97] authorized under Automatic Board Order (ABO) issued as Permit No. 11210, 1975 - Leland O. Hanson). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/12/2018 1:40:12 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_52745\_24524.jpg



Pipe and flapgate on WS slope.

LM Start	0.97	Rating **	M	Issue No.	62
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.225922 °	38.225922 °
				-121.528362 °	-121.528362 °
DWR ID	DWR_RD0563_01_s_2019_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
New willows growing on the waterside slope should be removed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	0.99	Rating **	M	Issue No.	147
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226138 °	38.226138 °
				-121.528745 °	-121.528745 °
DWR ID	DWR_RD0563_01_f_2014_147				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_147\_20190405\_00229.jpg



View of squirrel holes with recent rodent activity (Spring 2019).

LM Start	1.03	Rating **	U	Issue No.	110
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226422 °	38.226422 °
				-121.529410 °	-121.529410 °
DWR ID	DWR_RD0563_01_s_2018_110				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
A very large rodent burrow has caused the landside shoulder to collapse. The shoulder should be restored.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_110\_20190311\_00077.jpg



3/30/2018: Very large rodent burrow causing caving at landside shoulder.

LM Start	1.09	Rating **	C	Issue No.	758
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226892 °	38.227053 °
				-121.530234 °	-121.530632 °
DWR ID	DWR_RD0563_01_s_2015_758				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.09	Rating **	M	Issue No.	111
LM End	1.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226882 °	38.226882 °
				-121.530258 °	-121.530258 °
DWR ID	DWR_RD0563_01_s_2018_111				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Tree should be trimmed to allow inspection and access to landside slope.					

No Photos

LM Start	1.15	Rating **	U	Issue No.	153
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226910 °	38.226910 °
				-121.531294 °	-121.531294 °
DWR ID	DWR_RD0563_01_f_2015_153				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large to medium rodent holes have been noted at this location.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_153\_20190311\_00113.jpg



Looking at typical view of several rodent holes on landward slope.

LM Start	1.15	Rating **	M	Issue No.	135
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226885 °	38.226885 °
				-121.531282 °	-121.531282 °
DWR ID	DWR_RD0563_01_f_2018_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.18	Rating **	M	Issue No.	122
LM End	1.18	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226737 °	38.226737 °
				-121.531747 °	-121.531747 °
DWR ID	DWR_RD0563_01_s_2017_122				
Comment Code					
GA : Garbage					
Inspector Comment					
Landowner is storing prunings and barrels on the waterside slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_122\_20190311\_00086.jpg



Looking west at wine barrels and prunings on waterward shoulder and slope.

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>122 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_122\_20190311\_00087.jpg



LM Start	1.20	Rating **	M	Issue No.	69
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.226635 °	38.222157 °
				-121.532167 °	-121.543591 °
DWR ID	DWR_RD0563_01_f_2018_69				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.2 L					
Status: Eroding New					
2017 Field Notes: Evidence of meander process, eroding to short vertical face					
Site History:					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.21	Rating **	M	Issue No.	134
LM End	1.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226462 °	38.226462 °
				-121.532172 °	-121.532172 °
DWR ID	DWR_RD0563_01_s_2016_134				
Comment Code					
FW : Firewood					
Inspector Comment					
Landowner is stock piling firewood and other garbage at the landward toe.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_134\_20190311\_00096.jpg



Looking east at firewood and empty containers on landward slope. (Spring 2017)

LM Start	<b>1.21</b>	Rating **	M	Issue No.	<b>134 (cont)</b>
LM End	<b>1.21</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_134\_20190311\_00097.jpg



Looking southeast at firewood at landward toe. (Spring 2016)

LM Start	1.21	Rating **	M	Issue No.	136
LM End	1.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226412 °	38.226412 °
				-121.532258 °	-121.532258 °
DWR ID	DWR_RD0563_01_f_2018_136				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.22	Rating **	M	Issue No.	79
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226361 °	38.226361 °
				-121.532270 °	-121.532270 °
DWR ID	DWR_RD0563_01_s_2019_79				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim recently downed tree branches on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_79\_20190405\_00230.jpg



View looking downslope of recently downed branches on landside slope (Spring 2019).

LM Start	1.22	Rating **	U	Issue No.	57
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226345 °	38.226345 °
				-121.532332 °	-121.532332 °
DWR ID	DWR_RD0563_01_s_2012_57				
Comment Code					
BU : Building					
Inspector Comment					
Landowner has built a shed extending from the home onto the levee toe. This unpermitted construction should be removed.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_57\_20190311\_00020.jpg



Looking east at firewood and other materials stored on landside slope and toe.

LM Start	<b>1.22</b>	Rating **	U	Issue No.	<b>57 (cont)</b>
LM End	<b>1.22</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_57\_20190311\_00021.jpg



Looking at a shed at landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.22	Rating **	M	Issue No.	170
LM End	1.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226316 °	38.226053 °
				-121.532342 °	-121.532525 °
DWR ID	DWR_RD0563_01_f_2016_170				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus on landward slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_170\_20190311\_00117.jpg



Looking southeast at cactus on landward slope.

LM Start	<b>1.22</b>	Rating **	M	Issue No.	<b>170 (cont)</b>
LM End	<b>1.24</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_170\_20190311\_00118.jpg



LM Start	1.27	Rating **	U	Issue No.	64
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225730 °	38.225730 °
				-121.532824 °	-121.532824 °
DWR ID	DWR_RD0563_01_f_2012_64				
Comment Code					
CR : Crops					
Inspector Comment					
Fruit trees located at the landside toe should be removed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_64\_20190311\_00023.jpg



Looking southeast at fruit trees on landside toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.34	Rating **	M	Issue No.	81
LM End	1.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224910 °	38.224910 °
				-121.533504 °	-121.533504 °
DWR ID	DWR_RD0563_01_s_2019_81				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.35	Rating **	M	Issue No.	150
LM End	1.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224817 °	38.224817 °
				-121.533602 °	-121.533602 °
DWR ID	DWR_RD0563_01_s_2016_150				
Comment Code					
RA : Ramp					
Inspector Comment					
There is an unauthorized ramp on the landside slope.					

Photo 1 of 3 : SP\_2019\_RD0563\_210\_150\_20190311\_00109.jpg



Looking southeast at ramp on landward slope.

LM Start	<b>1.35</b>	Rating **	M	Issue No.	<b>150 (cont)</b>
LM End	<b>1.35</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0563\_210\_150\_20190311\_00110.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.35	Rating **	M	Issue No.	150 (cont)	
LM End	1.35	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.224817 °		38.224817 °
				-121.533602 °		-121.533602 °
DWR ID	DWR_RD0563_01_s_2016_150					
Comment Code						
RA : Ramp						
Inspector Comment						
There is an unauthorized ramp on the landside slope.						

Photo 3 of 3 : SP\_2019\_RD0563\_210\_150\_20190311\_00111.jpg



LM Start	1.39	Rating **	C	Issue No.	5
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224398 °	38.224398 °
				-121.534125 °	-121.534125 °
DWR ID	DWR_RD0563_01_s_2018_5				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	U	Issue No.	86
LM End	1.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224351 °	38.224351 °
				-121.534209 °	-121.534209 °
DWR ID	DWR_RD0563_01_f_2013_86				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner has fruit trees and other vegetation on landside slope and toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_86\_20190311\_00056.jpg



Looking southwest at fruit trees and other plantings at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.40	Rating **	U	Issue No.	8
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224315 °	38.224315 °
				-121.534288 °	-121.534288 °
DWR ID	DWR_RD0563_01_s_2012_8				
Comment Code					
BU : Building					
Inspector Comment					
Tool shed, animal storage container, and landscaping are on the landside slope and toe.					

Photo 1 of 3 : SP\_2019\_RD0563\_210\_8\_20190311\_00003.jpg



Looking east at landscaping and animal containers on the landside slope and toe.

LM Start	<b>1.40</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0563\_210\_8\_20190311\_00004.jpg



Looking northeast at a tool shed on the landward toe.

LM Start	<b>1.40</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0563\_210\_8\_20190311\_00005.jpg



Looking southeast at a tool shed at the landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.40	Rating **	M	Issue No.	777
LM End	1.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.224302 °	38.224302 °
				-121.534287 °	-121.534287 °
DWR ID	20134				
Comment Code					
Inspector Comment					
FS_ID:52747 DS_ID:20134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Same as last inspection. (O.Yakimov-DWR UCIP)06/11/2013 Pipe open on LS and should be removed. FIELD_STRUCT_DESC: *ABANDONED* 2-inch electrical conduit of an unknown material through the levee, 2 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/13/2018 2:34:56 PM					

Photo 1 of 3 : UCIP\_SP\_2019\_52747\_24527.jpg



Pipe visible on LS slope at JP.

Photo 2 of 3 : UCIP\_SP\_2019\_52747\_24526.jpg



Pipe goes to pumphouse on WS slope.

LM Start	<b>1.40</b>	Rating **	M	Issue No.	<b>777 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.40	Rating **	M	Issue No.	777 (cont)	
LM End	1.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.224302 °	38.224302 °	
				-121.534287 °	-121.534287 °	
DWR ID	20134					
Comment Code						
Inspector Comment						
FS_ID:52747 DS_ID:20134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Same as last inspection. (O.Yakimov-DWR UCIP)06/11/2013 Pipe open on LS and should be removed. FIELD_STRUCT_DESC: *ABANDONED* 2-inch electrical conduit of an unknown material through the levee, 2 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/13/2018 2:34:56 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_52747\_77727.jpg



View of pipe on LS slope.

LM Start	1.40	Rating **	M	Issue No.	778
LM End	1.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.224292 °	38.224292 °
				-121.534290 °	-121.534290 °
DWR ID	20189				
Comment Code					
Inspector Comment					
FS_ID:52748 DS_ID:20189 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Cut-off, abandoned pipe found on riverbank and WS slope next to the irrigation pipe. Old pipe needs to be properly abandoned. (O.Yakimov-DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.1 feet below the crown. 9-foot-tall by 36-inch-diameter concrete standpipe on the landside (LS) toe. 6-foot by 6-foot corrugated metal pump house with pump and butterfly valve on the waterside (WS). 1- inch galvanized iron electrical conduit through the levee at the same location, at an unknown depth. [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (Station ""L2"" 146+62.8)]. FS Date: 7/13/2018 2:47:32 PM					

Photo 1 of 3 : UCIP\_SP\_2019\_52748\_24530.jpg



36-inch concrete standpipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.40	Rating **	M	Issue No.	778 (cont)	
LM End	1.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.224292 °	38.224292 °	
				-121.534290 °	-121.534290 °	
DWR ID	20189					
Comment Code						
Inspector Comment						
FS_ID:52748 DS_ID:20189 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Cut-off, abandoned pipe found on riverbank and WS slope next to the irrigation pipe. Old pipe needs to be properly abandoned. (O.Yakimov-DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.1 feet below the crown. 9-foot-tall by 36-inch-diameter concrete standpipe on the landside (LS) toe. 6-foot by 6-foot corrugated metal pump house with pump and butterfly valve on the waterside (WS). 1-inch galvanized iron electrical conduit through the levee at the same location, at an unknown depth. [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (Station ""L2"" 146+62.8)]. FS Date: 7/13/2018 2:47:32 PM						

Photo 2 of 3 : UCIP\_SP\_2019\_52748\_24529.jpg



Pumphouse on WS slope.

LM Start	<b>1.40</b>	Rating **	M	Issue No.	<b>778 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_52748\_24528.jpg



Pipe at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.42	Rating **	M	Issue No.	759
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224150 °	38.224150 °
				-121.534565 °	-121.534565 °
DWR ID	DWR_RD0563_01_s_2015_759				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_759\_20190311\_00119.jpg



Looking northwest at untrimmed trees on waterward slope and toe.

LM Start	1.42	Rating **	M	Issue No.	100
LM End	1.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224091 °	38.222778 °
				-121.534687 °	-121.541612 °
DWR ID	DWR_RD0563_01_s_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.42	Rating **	M	Issue No.	108
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224091 °	38.223597 °
				-121.534692 °	-121.536473 °
DWR ID	DWR_RD0563_01_s_2019_108				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.60	Rating **	M	Issue No.	56
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223303 °	38.223303 °
				-121.537722 °	-121.537722 °
DWR ID	DWR_RD0563_01_s_2012_56				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.64	Rating **	M	Issue No.	117
LM End	1.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.223195 °	38.223195 °
				-121.538429 °	-121.538429 °
DWR ID	DWR_RD0563_01_s_2019_117				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.68	Rating **	M	Issue No.	115
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.223098 °	38.223098 °
				-121.539130 °	-121.539130 °
DWR ID	DWR_RD0563_01_f_2017_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.69	Rating **	C	Issue No.	123
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.223110 °	38.223110 °
				-121.539495 °	-121.539495 °
DWR ID	DWR_RD0563_01_s_2017_123				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

LM Start	1.82	Rating **	M	Issue No.	161
LM End	1.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222768 °	38.222768 °
				-121.541837 °	-121.541837 °
DWR ID	DWR_RD0563_01_f_2018_161				
Comment Code					
FW : Firewood					
Inspector Comment					
Landowner is stocking firewood at the landside toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_161\_20190311\_00115.jpg



Looking north at fireward at landward toe.

LM Start	1.86	Rating **	M	Issue No.	142
LM End	1.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.222743 °	38.222720 °
				-121.542523 °	-121.542741 °
DWR ID	DWR_RD0563_01_s_2014_142				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner has planted oleanders on the waterside shoulder.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_142\_20190311\_00100.jpg



Looking southwest at oleanders on waterward shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.86	Rating **	M	Issue No.	142 (cont)	
LM End	1.87	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.222743 °		38.222720 °
				-121.542523 °		-121.542741 °
DWR ID	DWR_RD0563_01_s_2014_142					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Landowner has planted oleanders on the waterside shoulder.						

Photo 2 of 2 : SP\_2019\_RD0563\_210\_142\_20190311\_00103.jpg



Looking southwest at oleanders on waterward shoulder.

LM Start	1.94	Rating **	U	Issue No.	157
LM End	1.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222080 °	38.222080 °
				-121.543445 °	-121.543445 °
DWR ID	DWR_RD0563_01_f_2015_157				
Comment Code					
GA : Garbage					
Inspector Comment					
Landowner is stockpiling garbage at the landside toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_157\_20190311\_00114.jpg



Looking south at the garbage on the landside toe.

LM Start	1.95	Rating **	M	Issue No.	71
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.221826 °	38.221826 °
				-121.543467 °	-121.543467 °
DWR ID	DWR_RD0563_01_f_2012_71				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is erosion around the irrigation pump house and pipe on the landside slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_71\_20190311\_00030.jpg



Looking west at erosion at landside toe and slope next to pump house.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.95	Rating **	M	Issue No.	71 (cont)	
LM End	1.95	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.221826 °		38.221826 °
				-121.543467 °		-121.543467 °
DWR ID	DWR_RD0563_01_f_2012_71					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
There is erosion around the irrigation pump house and pipe on the landside slope.						

Photo 2 of 2 : SP\_2019\_RD0563\_210\_71\_20190311\_00031.jpg



Looking southwest at erosion around irrigation pipe on landside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.96	Rating **	M	Issue No.	779
LM End	1.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221785 °	38.221785 °
				-121.543474 °	-121.543474 °
DWR ID	20136				
Comment Code					
Inspector Comment					
FS_ID:52751 DS_ID:20136 EP_NO: 11204 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 No change from previous inspection. Damaged walkway and tilted pump platform on WS. (O.Yakimov-DWR UCIP)12/02/2016 same as last inspection. Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks were visible from the surface. Owner will need to coordinate with the CVFPB to comply with Title 23 regarding the sleeved pipe and the non-annular space between the larger and smaller pipe. (O. Magana - DWR UCIP)06/11/2013 Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe sleeved through a 10-inch pipe (12-inch referenced in permit recordation) through the levee, 4 feet below the crown. 1.5-inch electrical conduit of an unknown material through the levee at the same location, at an unknown depth. Pump on pile structure on the waterside (WS). Timber walkway to pump on the WS. Service pole on the landside (LS) slope. Siphon breaker on the WS slope (12-inch pipe owner name change issued under Permit No. 11204-1, 2015 - Jim Morris. 12-inch pipe [HLM 1.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11204, 1975 - Jim Morris). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 119+16), listed as a 16-inch pipe]. FS Date: 7/13/2018 8:21:03 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_52751\_24537.jpg



Pump on pile structure with walkway structurally failing. WS berm.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.96	Rating **	M	Issue No.	779 (cont)	
LM End	1.96	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.221785 °		38.221785 °
				-121.543474 °		-121.543474 °
DWR ID	20136					
Comment Code						
Inspector Comment						
FS_ID:52751 DS_ID:20136 EP_NO: 11204 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 No change from previous inspection. Damaged walkway and tilted pump platform on WS. (O.Yakimov-DWR UCIP)12/02/2016 same as last inspection. Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks were visible from the surface. Owner will need to coordinate with the CVFPB to comply with Title 23 regarding the sleeved pipe and the non-annular space between the larger and smaller pipe. (O. Magana - DWR UCIP)06/11/2013 Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe sleeved through a 10-inch pipe (12-inch referenced in permit recordation) through the levee, 4 feet below the crown. 1.5-inch electrical conduit of an unknown material through the levee at the same location, at an unknown depth. Pump on pile structure on the waterside (WS). Timber walkway to pump on the WS. Service pole on the landside (LS) slope. Siphon breaker on the WS slope (12-inch pipe owner name change issued under Permit No. 11204-1, 2015 - Jim Morris. 12-inch pipe [HLM 1.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11204, 1975 - Jim Morris). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 119+16), listed as a 16-inch pipe]. FS Date: 7/13/2018 8:21:03 AM						

Photo 2 of 3 : UCIP\_SP\_2019\_52751\_77735.jpg



Tilted pump platform on WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.96	Rating **	M	Issue No.	779 (cont)	
LM End	1.96	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.221785 °	38.221785 °	
				-121.543474 °	-121.543474 °	
DWR ID	20136					
Comment Code						
Inspector Comment						
FS_ID:52751 DS_ID:20136 EP_NO: 11204 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 No change from previous inspection. Damaged walkway and tilted pump platform on WS. (O.Yakimov-DWR UCIP)12/02/2016 same as last inspection. Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks were visible from the surface. Owner will need to coordinate with the CVFPB to comply with Title 23 regarding the sleeved pipe and the non-annular space between the larger and smaller pipe. (O. Magana - DWR UCIP)06/11/2013 Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe sleeved through a 10-inch pipe (12-inch referenced in permit recordation) through the levee, 4 feet below the crown. 1.5-inch electrical conduit of an unknown material through the levee at the same location, at an unknown depth. Pump on pile structure on the waterside (WS). Timber walkway to pump on the WS. Service pole on the landside (LS) slope. Siphon breaker on the WS slope (12-inch pipe owner name change issued under Permit No. 11204-1, 2015 - Jim Morris. 12-inch pipe [HLM 1.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11204, 1975 - Jim Morris). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 119+16), listed as a 16-inch pipe]. FS Date: 7/13/2018 8:21:03 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_52751\_24536.jpg



Siphon breaker and 1.5-inch galvanized iron electrical conduit.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	1.97	Rating **	M	Issue No.	152
LM End	2.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.221642 °	38.210801 °
				-121.543452 °	-121.534840 °
DWR ID	DWR_RD0563_01_s_2019_152				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_152\_20190405\_00231.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	1.98	Rating **	M	Issue No.	66
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.221405 °	38.217972 °
				-121.543627 °	-121.542861 °
DWR ID	DWR_RD0563_01_f_2018_66				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.0 L					
Status: Eroding New					
2017 Field Notes: Revetment failure, toe erosion moving landward.					
Site History:					

No Photos

LM Start	2.08	Rating **	A/W	Issue No.	14
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.220028 °	38.218494 °
				-121.542922 °	-121.542646 °
DWR ID	DWR_RD0563_01_s_2012_14				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.18	Rating **	M	Issue No.	15
LM End	2.18	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.218575 °	38.218575 °
				-121.542668 °	-121.542668 °
DWR ID	DWR_RD0563_01_s_2012_15				
Comment Code					
EQ : Equipment					
Inspector Comment					
Landowner installed a metal box around siphon breaker.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_15\_20190311\_00009.jpg



Looking south at siphon box installed on waterside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.19	Rating **	U	Issue No.	780	
LM End	2.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.218534 °	38.218534 °	
				-121.542656 °	-121.542656 °	
DWR ID	20176					
Comment Code						
Inspector Comment						
FS_ID:52732 DS_ID:20176 EP_NO: 13311 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Leak seems to be fixed by the owner by installing steel clamps at pipe join above the standpipe, although could not verify if leak stopped. Site is still vegetated. Crossing remains "Urgent" due to unknown condition of the pipe section through the levee. (O.Yakimov-DWR UCIP)12/02/2016 Dense vegetation around concrete standpipe located on LS toe assume issue recorded back in 2013 is still present due to the dense vegetation around structure. Need to contact owner. Owner will need to coordinate with the CVFPB to address the leaky concrete standpipe and the new metal case installed on WS slope (section of levee still opened). (O. Magana - DWR UCIP)06/11/2013 Concrete standpipe on LS toe is not functioning properly. Leaks springing up in the ground around the standpipe. This may erode the soil at base of levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee, 3 feet below the crown. Slant pump is located on the waterside (WS) toe. 36-inch concrete standpipe and pipe works visible on the landside (LS) toe. Siphon breaker in 24-inch corrugated metal pipe (CMP) riser located on the LS shoulder. Pipe replaced 12-inch pipe from O&M manual/Permit No. 11207. (Permit No. 13311, 1982). (12-inch replaced under Permit No. 13311, 1981 - P. L. Lykins Ranch; 12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11207, 1975 - Fong) FS Date: 7/13/2018						

Photo 1 of 3 : UCIP\_SP\_2019\_52732\_77687.jpg



Leak at pipe join seems to be fixed with steel clamps.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.19	Rating **	U	Issue No.	780 (cont)	
LM End	2.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.218534 °	38.218534 °	
				-121.542656 °	-121.542656 °	
DWR ID	20176					
Comment Code						
Inspector Comment						
FS_ID:52732 DS_ID:20176 EP_NO: 13311 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Leak seems to be fixed by the owner by installing steel clamps at pipe join above the standpipe, although could not verify if leak stopped. Site is still vegetated. Crossing remains "Urgent" due to unknown condition of the pipe section through the levee. (O.Yakimov-DWR UCIP)12/02/2016 Dense vegetation around concrete standpipe located on LS toe assume issue recorded back in 2013 is still present due to the dense vegetation around structure. Need to contact owner. Owner will need to coordinate with the CVFPB to address the leaky concrete standpipe and the new metal case installed on WS slope (section of levee still opened). (O. Magana - DWR UCIP)06/11/2013 Concrete standpipe on LS toe is not functioning properly. Leaks springing up in the ground around the standpipe. This may erode the soil at base of levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee, 3 feet below the crown. Slant pump is located on the waterside (WS) toe. 36-inch concrete standpipe and pipe works visible on the landside (LS) toe. Siphon breaker in 24-inch corrugated metal pipe (CMP) riser located on the LS shoulder. Pipe replaced 12-inch pipe from O&M manual/Permit No. 11207. (Permit No. 13311, 1982). (12-inch replaced under Permit No. 13311, 1981 - P. L. Lykins Ranch; 12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11207, 1975 - Fong) FS Date: 7/13/2018						

Photo 2 of 3 : UCIP\_SP\_2019\_52732\_77689.jpg



View of standpipe with dense vegetation around.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

# Reclamation District No. 0563 Tyler Island

Leaks around standpipe on LS toe.

Page 48 of 126

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.21	Rating **	A/W	Issue No.	96
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.218180 °	°
				-121.542730 °	°
DWR ID	DWR_RD0563_01_s_2018_96				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:69					
Site Designation:130-137					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	2.24	Rating **	M	Issue No.	127
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.217680 °	38.217003 °
				-121.542761 °	-121.542309 °
DWR ID	DWR_RD0563_01_f_2018_127				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.8 L					
Status: Eroding New					
2017 Field Notes: Whole bank failure, eroded to subvertical face, and giant animal holes.					
Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.25	Rating **	A/W	Issue No.	116
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.217588 °	38.217588 °
				-121.542520 °	-121.542520 °
DWR ID	DWR_RD0563_01_s_2017_116				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
LMA found the erosion while on patrol during the February Storm 2017.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_116\_20190311\_00080.jpg



Looking east at the landside toe erosion.

LM Start	2.33	Rating **	C	Issue No.	137
LM End	2.33	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.216672 °	38.216672 °
				-121.541582 °	-121.541582 °
DWR ID	DWR_RD0563_01_f_2018_137				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	2.40	Rating **	U	Issue No.	12
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216122 °	38.216047 °
				-121.540555 °	-121.540415 °
DWR ID	DWR_RD0563_01_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on waterside shoulder and slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.47	Rating **	M	Issue No.	107
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.215405 °	38.208046 °
				-121.539764 °	-121.540759 °
DWR ID	DWR_RD0563_01_f_2018_107				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.3 L					
Status: Critical					
2017 Field Notes: Upgraded to critical. Pockets of erosion - subvertical. Areas of failed revetment, old rock is unraveling, and eminent tree popout outs expected.					
Site History: 1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2013 - New rock placed on the levee slope. 2016 - Fresh erosion along the toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_107\_20190311\_00076.jpg



USACE 2013 Photo #1

LM Start	2.57	Rating **	M	Issue No.	80
LM End	2.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.214707 °	38.214707 °
				-121.538061 °	-121.538061 °
DWR ID	DWR_RD0563_01_f_2012_80				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed unauthorized ramp on landside slope. This ramp is not part of permit # 9146.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_80\_20190311\_00050.jpg



Looking east at unauthorized ramp on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.57	Rating **	M	Issue No.	80 (cont)	
LM End	2.57	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.214707 °		38.214707 °
				-121.538061 °		-121.538061 °
DWR ID	DWR_RD0563_01_f_2012_80					
Comment Code						
RA : Ramp						
Inspector Comment						
Landowner installed unauthorized ramp on landside slope. This ramp is not part of permit # 9146.						

Photo 2 of 2 : SP\_2019\_RD0563\_210\_80\_20190311\_00051.jpg



Looking southeast at unauthorized ramp on landside slope.

LM Start	2.61	Rating **	M	Issue No.	781
LM End	2.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.214225 °	38.214225 °
				-121.537634 °	-121.537634 °
DWR ID	20138				
Comment Code					
Inspector Comment					
FS_ID:52753 DS_ID:20138 EP_NO: 9146 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 LS levee slope was disturbed to install a closure device and never backfilled. Debris of broken concrete and PVC pipe on LS slope. (O.Yakimov-DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 1.5 feet below the crown. Slant pump in stream. Gate valve on waterside (WS) slope. Service pole on landside (LS) shoulder. Reinforced concrete standpipe LS of the toe. (Automatic Board Order (ABO) issued as Permit No. 9146, 1973 - Pooie Ying Fong). 1-inch steel electrical conduit at the same location, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L2"" 82+25)]. FS Date: 7/13/2018 9:33:05 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_52753\_24545.jpg



Butterfly valve on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

# Reclamation District No. 0563 Tyler Island

Pump and siphon breaker on WS berm.

Page 53 of 126



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.67	Rating **	M	Issue No.	140
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213493 °	38.213493 °
				-121.537090 °	-121.537090 °
DWR ID	DWR_RD0563_01_f_2018_140				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.70	Rating **	M	Issue No.	162
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213096 °	38.213096 °
				-121.536738 °	-121.536738 °
DWR ID	DWR_RD0563_01_s_2016_162				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree on waterside shoulder.					

No Photos

LM Start	2.80	Rating **	A/W	Issue No.	154
LM End	2.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.212073 °	38.212073 °
				-121.535610 °	-121.535610 °
DWR ID	DWR_RD0563_01_s_2019_154				
Comment Code					
MA : Material					
Inspector Comment					
Rock placed by LMA to deal with beaver hole on waterside berm					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_154\_20190405\_00232.jpg



View of rock placed by LMA on waterside shoulder (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	2.93	Rating **	M	Issue No.	67 (cont)	
LM End	2.95	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.210472 °		38.210358 °
				-121.535175 °		-121.535478 °
DWR ID	DWR_RD0563_01_s_2012_67					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dead vines (berry or wildroses) on the landside toe.						

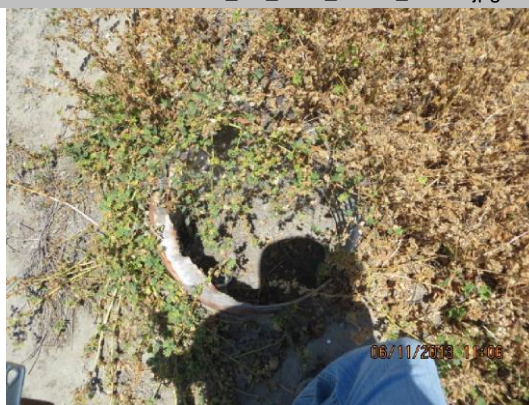
Photo 2 of 2 : SP\_2019\_RD0563\_210\_67\_20190311\_00026.jpg



Looking east at dead berryvines at landward toe. (Fall 2016)

LM Start	3.00	Rating **	M	Issue No.	782
LM End	3.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.210209 °	38.210209 °
				-121.536313 °	-121.536313 °
DWR ID	20139				
Comment Code					
Inspector Comment					
FS_ID:52754					
DS_ID:20139					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 07/13/2018 Unable to locate siphon breaker and					
CMP riser on LS due to heavy vegetation. (O.Yakimov-DWR					
UCIP)06/11/2013 Abandoned and should be done so properly. Need					
to verify disposition of pipe.					
FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe of an					
unknown purpose through the levee, 4 feet below the crown. Siphon					
breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside					
(LS) shoulder. Open on both ends. [Additional Reference(s): DWR					
Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954,					
(Station ""L2"" 62+79) 1-inch air valve, brass cock and cover].					
FS Date: 7/13/2018 9:42:58 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_52754\_24548.jpg



24-inch CMP standpipe on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.00	Rating **	M	Issue No.	782 (cont)
LM End	3.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.210209 °	38.210209 °
				-121.536313 °	-121.536313 °
DWR ID	20139				
Comment Code					
Inspector Comment					
FS_ID:52754					
DS_ID:20139					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 07/13/2018 Unable to locate siphon breaker and					
CMP riser on LS due to heavy vegetation. (O.Yakimov-DWR					
UCIP)06/11/2013 Abandoned and should be done so properly. Need					
to verify disposition of pipe.					
FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe of an					
unknown purpose through the levee, 4 feet below the crown. Siphon					
breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside					
(LS) shoulder. Open on both ends. [Additional Reference(s): DWR					
Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954,					
(Station ""L2"" 62+79) 1-inch air valve, brass cock and cover].					
FS Date: 7/13/2018 9:42:58 AM					

Photo 2 of 3 : UCIP\_SP\_2019\_52754\_77743.jpg



Vegetation on LS.

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>782 (cont)</b>
LM End	<b>3.00</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_52754\_77744.jpg



View of levee crown at the crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.02	Rating **	M	Issue No.	74
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210212 °	38.209165 °
				-121.536728 °	-121.539920 °
DWR ID	DWR_RD0563_01_s_2012_74				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead berryvines and dense vegetation at landside toe blocking view of toe.					

Photo 1 of 5 : SP\_2019\_RD0563\_210\_74\_20190311\_00035.jpg



Looking southeast at dead berryvines along landward toe and berm.  
(Spring 2017)

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP\_2019\_RD0563\_210\_74\_20190311\_00036.jpg



Looking southeast at berryvines at landward toe., (Spring 2016)

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : SP\_2019\_RD0563\_210\_74\_20190311\_00037.jpg



Looking south at dense vegetation (willows) at landward toe. (Spring 2016)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.02	Rating **	M	Issue No.	74 (cont)	
LM End	3.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.210212 °		38.209165 °
				-121.536728 °		-121.539920 °
DWR ID	DWR_RD0563_01_s_2012_74					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dead berryvines and dense vegetation at landside toe blocking view of toe.						

Photo 4 of 5 : SP\_2019\_RD0563\_210\_74\_20190311\_00038.jpg



Looking southeast at dense berryvines at landward toe. (Spring 2015)

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : SP\_2019\_RD0563\_210\_74\_20190311\_00039.jpg



Looking south at dense vegetation at landward slope and toe. (Spring 2015)

LM Start	3.06	Rating **	U	Issue No.	78
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.210240 °	38.210240 °
				-121.537517 °	-121.537517 °
DWR ID	DWR_RD0563_01_s_2012_78				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.					

Photo 1 of 5 : SP\_2019\_RD0563\_210\_78\_20190311\_00045.jpg



Looking southwest at the landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.06	Rating **	U	Issue No.	78 (cont)	
LM End	3.06	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.210240 °		38.210240 °
				-121.537517 °		-121.537517 °
DWR ID	DWR_RD0563_01_s_2012_78					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.						

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP\_2019\_RD0563\_210\_78\_20190311\_00046.jpg



Looking north at rain runoff erosion on landward slope. (Spring 2017)

Photo 3 of 5 : SP\_2019\_RD0563\_210\_78\_20190311\_00047.jpg



Looking west at rain runoff erosion on landward slope. (Spring 2016)

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 5 : SP\_2019\_RD0563\_210\_78\_20190311\_00048.jpg



Looking east at slope erosion. (Updated Spring 2012)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.06	Rating **	U	Issue No.	78 (cont)	
LM End	3.06	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.210240 °		38.210240 °
				-121.537517 °		-121.537517 °
DWR ID	DWR_RD0563_01_s_2012_78					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.						

Photo 5 of 5 : SP\_2019\_RD0563\_210\_78\_20190311\_00049.jpg



Looking west at slope erosion cause by runoff on landside slope.

LM Start	3.11	Rating **	U	Issue No.	112
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210018 °	38.209201 °
				-121.538353 °	-121.539871 °
DWR ID	DWR_RD0563_01_s_2018_112				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Dense woody vegetation (up to 6" in diameter) along lower slope and toe prevents inspection and access. Needs to be removed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_112\_20190311\_00078.jpg



Very dense woody vegetation preventing inspection and access to landside toe.

LM Start	3.21	Rating **	U	Issue No.	68
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209217 °	38.209217 °
				-121.539823 °	-121.539823 °
DWR ID	DWR_RD0563_01_s_2012_68				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_68\_20190311\_00027.jpg



Looking south at dense trees on landward slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.21	Rating **	U	Issue No.	68 (cont)	
LM End	3.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.209217 °		38.209217 °
				-121.539823 °		-121.539823 °
DWR ID	DWR_RD0563_01_s_2012_68					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_RD0563\_210\_68\_20190311\_00028.jpg



Looking southeast at dense trees on landside slope and toe.

LM Start	3.25	Rating **	M	Issue No.	783	
LM End	3.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.208674 °	38.208674 °	
				-121.540280 °	-121.540280 °	
DWR ID	20140					
Comment Code						
Inspector Comment						
FS_ID:52755 DS_ID:20140 EP_NO: 12708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Pump is running, leak detected on intake pipe hanging down the pumping platform toward the slough. (O.Yakimov-DWR UCIP)06/11/2013 Pipe heavily corroded. Good candidate for viewo inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch coated steel irrigation pipe through the levee, 3 feet below the crown. Slant pump and gate valve on the waterside (WS). 9-foot by 7-foot reinforced concrete distribution box on the landside (LS) toe. Service pole on the LS shoulder. (Permit No. 12708, 1979 - George C. Wilson, replaced 8-inch pipe under Permit No. 11211, 1975 - Erma E. Locke). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954]. FS Date: 7/13/2018 10:26:03 AM						

Photo 1 of 3 : UCIP\_SP\_2019\_52755\_24550.jpg



Distribution box and JP on LS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.25	Rating **	M	Issue No.	783 (cont)	
LM End	3.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.208674 °	38.208674 °	
				-121.540280 °	-121.540280 °	
DWR ID	20140					
Comment Code						
Inspector Comment						
FS_ID:52755 DS_ID:20140 EP_NO: 12708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Pump is running, leak detected on intake pipe hanging down the pumping platform toward the slough. (O.Yakimov-DWR UCIP)06/11/2013 Pipe heavily corroded. Good candidate for viewo inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch coated steel irrigation pipe through the levee, 3 feet below the crown. Slant pump and gate valve on the waterside (WS). 9-foot by 7-foot reinforced concrete distribution box on the landside (LS) toe. Service pole on the LS shoulder. (Permit No. 12708, 1979 - George C. Wilson, replaced 8-inch pipe under Permit No. 11211, 1975 - Erma E. Locke). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954]. FS Date: 7/13/2018 10:26:03 AM						

LM Start	<b>3.25</b>	Rating **	M	Issue No.	<b>783 (cont)</b>
LM End	<b>3.25</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52755\_24549.jpg



Pump and walkway on WS.

Photo 3 of 3 : UCIP\_SP\_2019\_52755\_77745.jpg



View of levee crown at the crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.26	Rating **	M	Issue No.	764
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.208593 °	38.208593 °
				-121.540332 °	-121.540332 °
DWR ID	DWR_RD0563_01_s_2015_764				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.42	Rating **	M	Issue No.	94
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.206346 °	38.199925 °
				-121.540819 °	-121.544249 °
DWR ID	DWR_RD0563_01_f _ 2018_94				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 8.3 L					
Status: Eroding					
2017 Field Notes: New rock on levee in sections, failure of old rock in other sections, site extended upstream to account for new erosion pocket.					
Site History: 1997 - Narrow eroding berm upstream of existing rock.					
2001 - Staked, low fascine walls at bankline. 2011 - Minor new erosion. Site extended downstream. 2012 - Rock repair failing in one erosion pocket. 2016 - Fresh erosion observed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_94\_20190311\_00065.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.90	Rating **	M	Issue No.	125
LM End	4.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.200627 °	38.197060 °
				-121.542282 °	-121.546190 °
DWR ID	DWR_RD0563_01_s_2017_125				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
There is a six to twelve inch cut along the landside toe.					

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>125 (cont)</b>
LM End	<b>4.24</b>	Issue Type +	En	Location *	LS

Photo 1 of 4 : SP\_2019\_RD0563\_210\_125\_20190311\_00090.jpg



Looking at erosion around stand pipe at landward toe.

Photo 2 of 4 : SP\_2019\_RD0563\_210\_125\_20190311\_00091.jpg



Looking west at cut along farm's service road at landward toe and berm.

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>125 (cont)</b>
LM End	<b>4.24</b>	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP\_2019\_RD0563\_210\_125\_20190311\_00092.jpg



Looking south at cut along farm's service road at landward toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	3.90	Rating **	M	Issue No.	125 (cont)	
LM End	4.24	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.200627 °		38.197060 °
				-121.542282 °		-121.546190 °
DWR ID	DWR_RD0563_01_s_2017_125					
Comment Code						
AT : Agricultural tilling						
Inspector Comment						
There is a six to twelve inch cut along the landside toe.						

Photo 4 of 4 : SP\_2019\_RD0563\_210\_125\_20190311\_00093.jpg



Looking northwest at cut along farm's service road at landward toe.

LM Start	4.24	Rating **	M	Issue No.	784
LM End	4.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.197004 °	38.197004 °
				-121.546162 °	-121.546162 °
DWR ID	20142				
Comment Code					
Inspector Comment					
FS_ID:14923 DS_ID:20142 EP_NO: 5925 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to have PG&E determine status of pipe and mark as necessary. FIELD_STRUCT_DESC: 8.5-inch gas line of an unknown material through the levee, 3 feet below the crown. (Permit No. 5925, 1967 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 6/11/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	4.26	Rating **	M	Issue No.	141
LM End	4.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.196777 °	38.196308 °
				-121.546322 °	-121.546578 °
DWR ID	DWR_RD0563_01_f_2018_141				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.26	Rating **	M	Issue No.	785	
LM End	4.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.196725 °		38.196725 °
				-121.546310 °		-121.546310 °
DWR ID	23971					
Comment Code						
Inspector Comment						
FS_ID:52758 DS_ID:23971 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Cut-off abandoned, and silted pipe is visible at WS toe. Need a confirmation that pipe through levee was removed. (O.Yakimov-DWR UCIP)06/11/2013 Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown. (W.Wylie) FIELD_STRUCT_DESC: 4.5-inch gas line of an unknown material through the levee, at an unknown depth. Cut in pavement and pipe visible on the waterside (WS) toe. (Permit No. 15539 - Pacific Gas and Electric Company [PG&E] [date not indicated in permit]). FS Date: 7/13/2018						

Photo 1 of 3 : UCIP\_SP\_2019\_52758\_27390.jpg



Cut in pavement with USAA markings for gasoline.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	4.26	Rating **	M	Issue No.	785 (cont)	
LM End	4.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.196725 °		38.196725 °
				-121.546310 °		-121.546310 °
DWR ID	23971					
Comment Code						
Inspector Comment						
FS_ID:52758 DS_ID:23971 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Cut-off abandoned, and silted pipe is visible at WS toe. Need a confirmation that pipe through levee was removed. (O.Yakimov-DWR UCIP)06/11/2013 Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown. (W.Wylie) FIELD_STRUCT_DESC: 4.5-inch gas line of an unknown material through the levee, at an unknown depth. Cut in pavement and pipe visible on the waterside (WS) toe. (Permit No. 15539 - Pacific Gas and Electric Company [PG&E] [date not indicated in permit]). FS Date: 7/13/2018						

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>785 (cont)</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52758\_27389.jpg



Cut in pavement with USAA markings for gasline.

Photo 3 of 3 : UCIP\_SP\_2019\_52758\_27388.jpg



Pipe visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	4.42	Rating **	M	Issue No.	144
LM End	4.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.194957 °	38.194957 °
				-121.548055 °	-121.548055 °
DWR ID	DWR_RD0563_01_f_2018_144				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.52	Rating **	M	Issue No.	146
LM End	4.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.194090 °	38.194090 °
				-121.549568 °	-121.549568 °
DWR ID	DWR_RD0563_01_f_2018_146				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_146\_20190311\_00107.jpg



View of arundo on waterside slope (October 2018).

LM Start	4.63	Rating **	M	Issue No.	88
LM End	4.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193078 °	38.192980 °
				-121.551047 °	-121.551263 °
DWR ID	DWR_RD0563_01_s_2012_88				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Fig tree and pine trees block view of landside slope.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_88\_20190311\_00057.jpg



Looking south at dense trees on landside slope and toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	4.75	Rating **	M	Issue No.	786	
LM End	4.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.191864 °	38.191864 °	
				-121.552606 °	-121.552606 °	
DWR ID	20145					
Comment Code						
Inspector Comment						
FS_ID:52761 DS_ID:20145 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Water pump is running, no leak detected. (O.Yakimov-DWR UCIP)06/11/2013 Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder. (W.Wylie) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Siphon breaker on the landside (LS) shoulder. Slant pump off the waterside (WS) toe. Booster and filter station off the LS toe. Abandoned concrete distribution box at the LS toe. 1-inch galvanized iron electrical conduit through the levee at the same location, at an unknown depth. (Automatic Board Order (ABO) issued as Permit No. 11205, 1975 - Joshua Eppinger Jr.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 390+74.5)]. FS Date: 7/13/2018						

LM Start	<b>4.75</b>	Rating **	M	Issue No.	<b>786 (cont)</b>
LM End	<b>4.75</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_52761\_24590.jpg



Pipe, distribution box, JP, electrical conduit, and booster/filter system on LS.

Photo 2 of 3 : UCIP\_SP\_2019\_52761\_24589.jpg



Pipe on WS slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	4.75	Rating **	M	Issue No.	786 (cont)	
LM End	4.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.191864 °	38.191864 °	
				-121.552606 °	-121.552606 °	
DWR ID	20145					
Comment Code						
Inspector Comment						
FS_ID:52761 DS_ID:20145 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Water pump is running, no leak detected. (O.Yakimov-DWR UCIP)06/11/2013 Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder. (W.Wylie) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Siphon breaker on the landside (LS) shoulder. Slant pump off the waterside (WS) toe. Booster and filter station off the LS toe. Abandoned concrete distribution box at the LS toe. 1-inch galvanized iron electrical conduit through the levee at the same location, at an unknown depth. (Automatic Board Order (ABO) issued as Permit No. 11205, 1975 - Joshua Eppinger Jr.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 390+74.5)]. FS Date: 7/13/2018						

Photo 3 of 3 : UCIP\_SP\_2019\_52761\_24588.jpg



Slant pump off WS toe.

LM Start	4.98	Rating **	M	Issue No.	92
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.190073 °	38.189524 °
				-121.556307 °	-121.557227 °
DWR ID	DWR_RD0563_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 7.2 L					
Status: Eroding					
2017 Field Notes: New erosion at toe.					
Site History: 2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012 - Site extended upstream to account for addition erosion pockets. 2016 - Fresh erosion observed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_92\_20190311\_00063.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	5.17	Rating **	M	Issue No.	787	
LM End	5.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.187938 °		38.187938 °
				-121.558495 °		-121.558495 °
DWR ID	20146					
Comment Code						
Inspector Comment						
FS_ID:52763 DS_ID:20146 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/11/2013 Need to verify wether or not pipe has been abandoned. (W.Wylie) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Pump and gate valve on the waterside (WS) end. Siphon breaker on the landside (LS) shoulder. (Automatic Board Order (ABO) issued as Permit No. 11205, 1975 - Joshua Eppinger Jr.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 368+38) 1-inch air valve, brass cock and cover, reinforced concrete spillbox]. FS Date: 7/13/2018						

LM Start	<b>5.17</b>	Rating **	M	Issue No.	<b>787 (cont)</b>
LM End	<b>5.17</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_52763\_24595.jpg



Distribution box and 24-inch CMP riser on LS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_52763\_24594.jpg



Inside distribution box at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	5.17	Rating **	M	Issue No.	787 (cont)	
LM End	5.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.187938	°	38.187938
				-121.558495	°	-121.558495
DWR ID	20146					
Comment Code						
Inspector Comment						
FS_ID:52763						
DS_ID:20146						
EP_NO: 11205						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 06/11/2013 Need to verify wether or not pipe has been abandoned. (W.Wylie)						
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Pump and gate valve on the waterside (WS) end. Siphon breaker on the landside (LS) shoulder. (Automatic Board Order (ABO) issued as Permit No. 11205, 1975 - Joshua Eppinger Jr.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 368+38) 1-inch air valve, brass cock and cover, reinforced concrete spillbox].						
FS Date: 7/13/2018						

Photo 3 of 3 : UCIP\_SP\_2019\_52763\_24593.jpg



Unable to locate pump or other appurtances on WS toe due to vegetation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	5.39	Rating **	U	Issue No.	91
LM End	5.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.186013 °	38.185968 °
				-121.561512 °	-121.561667 °
DWR ID	DWR_RD0563_01_f_2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 6.3 L Status: Critical 2018: Do not see evidence of vertical face erosion from levee hinge. 2017 Field Notes: Upgraded to CRITICAL. Combined with 6.8. Vertical sections from mid slope to toe, vertical face from levee hinge at some locations. Wave/tide erosion at toe, evidence of beavers. Site History: 1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1, 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012 - Rock has been placed in portions of the bank since last year. 2016 - Site 5.8 was merged with this site due to new erosion connecting the sites.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_91\_20190311\_00062.jpg



USACE 2013 Photo #1

LM Start	5.87	Rating **	M	Issue No.	788
LM End	5.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182398 °	38.182398 °
				-121.569078 °	-121.569078 °
DWR ID	20148				
Comment Code					
Inspector Comment					
FS_ID:16289					
DS_ID:20148					
EP_NO: 1826					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 2-inch discharge pipe of an unknown material through the levee, 2.7 feet below the crown. (Permit No. 1826, 1953 - Brazos Oil and Gas Company). [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 6/11/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16289\_27439.jpg



Pipe visible on LS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	5.87	Rating **	M	Issue No.	788 (cont)	
LM End	5.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.182398 °	38.182398 °	
				-121.569078 °	-121.569078 °	
DWR ID	20148					
Comment Code						
Inspector Comment						
FS_ID:16289 DS_ID:20148 EP_NO: 1826 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch discharge pipe of an unknown material through the levee, 2.7 feet below the crown. (Permit No. 1826, 1953 - Brazos Oil and Gas Company). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 6/11/2013						

Photo 2 of 2 : UCIP\_SP\_2019\_16289\_27438.jpg



Pipe visible on WS shoulder.

LM Start	5.88	Rating **	M	Issue No.	789
LM End	5.88	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182334 °	38.182334 °
				-121.569193 °	-121.569193 °
DWR ID	20175				
Comment Code					
Inspector Comment					
FS_ID:14949 DS_ID:20175 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 2: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Pump and gate valve on the waterside (WS). Siphon breaker on the landside (LS) shoulder. 7-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11206, 1975 - Daniel Faustman). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 331+00.5)]. FS Date: 6/11/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_14949\_24603.jpg



Slide gate at pump on WS slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	5.88	Rating **	M	Issue No.	789 (cont)	
LM End	5.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.182334 °	38.182334 °	
				-121.569193 °	-121.569193 °	
DWR ID	20175					
Comment Code						
Inspector Comment						
FS_ID:14949 DS_ID:20175 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 2: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Pump and gate valve on the waterside (WS). Siphon breaker on the landside (LS) shoulder. 7-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11206, 1975 - Daniel Faustman). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 331+00.5)]. FS Date: 6/11/2013						

LM Start	<b>5.88</b>	Rating **	M	Issue No.	<b>789 (cont)</b>
LM End	<b>5.88</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_14949\_24602.jpg



Pipe at WS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_14949\_24601.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	5.88	Rating **	C	Issue No.	126
LM End	5.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.182302 °	38.182302 °
				-121.569232 °	-121.569232 °
DWR ID	DWR_RD0563_01_s_2019_126				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings stock pile on waterside slope and berm.					

No Photos

LM Start	5.92	Rating **	U	Issue No.	22
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s_2012_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large cactus on landside slope.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_22\_20190311\_00011.jpg



Looking downstream at dense cactus on landward slope. (Fall 2016)

LM Start	6.00	Rating **	M	Issue No.	35
LM End	6.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181512 °	38.181512 °
				-121.571298 °	-121.571298 °
DWR ID	DWR_RD0563_01_s_2012_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.01	Rating **	M	Issue No.	790
LM End	6.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181477 °	38.181477 °
				-121.571417 °	-121.571417 °
DWR ID	20149				
Comment Code					
Inspector Comment					
FS_ID:14950 DS_ID:20149 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee, 4.8 feet below the crown. Vent/filler pipe on the landside (LS) shoulder. 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11206, 1975 - Daniel Faustman). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 324+07.5) 2-inch air and primer valve, reinforced concrete spillbox]. FS Date: 6/11/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_14950\_24607.jpg



Vent/filler pipe exposed on LS shoulder.

LM Start	<b>6.01</b>	Rating **	M	Issue No.	<b>790 (cont)</b>
LM End	<b>6.01</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_14950\_24606.jpg



Outlet pipe in distribution box on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.01	Rating **	M	Issue No.	790 (cont)	
LM End	6.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.181477 °		38.181477 °
				-121.571417 °		-121.571417 °
DWR ID	20149					
Comment Code						
Inspector Comment						
FS_ID:14950 DS_ID:20149 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee, 4.8 feet below the crown. Vent/filler pipe on the landside (LS) shoulder. 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11206, 1975 - Daniel Faustman). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 324+07.5) 2-inch air and primer valve, reinforced concrete spillbox]. FS Date: 6/11/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_14950\_24605.jpg



Pipe visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.07	Rating **	M	Issue No.	791
LM End	6.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181347 °	38.181347 °
				-121.572459 °	-121.572459 °
DWR ID	20150				
Comment Code					
Inspector Comment					
FS_ID:14963 DS_ID:20150 EP_NO: 11200 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for 10-inch irrigation pipe that is sleeved through the 18-inch. FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 5.2 feet below the crown. 10-inch steel irrigation siphon sleeved through the 18-inch pipe. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Air vent on pipe on the LS slope. Slide gate at booster/filter plant off the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11200, 1975 - Cora R. and Furth Brandt). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 321+03) pipe is plugged]. FS Date: 6/11/2013					

LM Start	<b>6.07</b>	Rating **	M	Issue No.	<b>791 (cont)</b>
LM End	<b>6.07</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_14963\_24622.jpg



10-inch pipe sleeved through 18-inch conduit.

Photo 2 of 3 : UCIP\_SP\_2019\_14963\_24621.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.38	Rating **	M	Issue No.	129
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.180462 °	38.179319 °
				-121.577895 °	-121.578566 °
DWR ID	DWR_RD0563_01_f_2018_129				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 5.8 L					
Status: Eroding					
2017 Field Notes: Last observed in 2013.					
Site History: 2013 - Erosion pockets into the levee prism. Erosion pockets primarily located behind unmaintained brush boxes.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_129\_20190311\_00095.jpg



USACE 2013 Photo #1

LM Start	6.52	Rating **	M	Issue No.	25
LM End	6.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.178445 °	38.177873 °
				-121.578672 °	-121.578920 °
DWR ID	DWR_RD0563_01_s_2012_25				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders have been trimmed and thined to allow inspection and access. They should be maintained in their current condition. Thick groundcover of ivy should be thinned or removed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.57	Rating **	M	Issue No.	792
LM End	6.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.177779 °	38.177779 °
				-121.578995 °	-121.578995 °
DWR ID	20152				
Comment Code					
Inspector Comment					
FS_ID:14966 DS_ID:20152 EP_NO: 11201 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 3 of 3: 8-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Pump and gate valve on the waterside (WS) berm. 4-foot-diameter concrete standpipe on the landside (LS) toe. Y-ramp on the WS slope. (Automatic Board Order (ABO) issued as Permit No. 11201, 1975 - Joseph Brun). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 294+25.1)]. FS Date: 6/11/2013					

LM Start	<b>6.57</b>	Rating **	M	Issue No.	<b>792 (cont)</b>
LM End	<b>6.57</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_14966\_24628.jpg



No connection to pump on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2019\_14966\_24627.jpg



Pump and pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.57	Rating **	M	Issue No.	792 (cont)	
LM End	6.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.177779 °		38.177779 °
				-121.578995 °		-121.578995 °
DWR ID	20152					
Comment Code						
Inspector Comment						
FS_ID:14966 DS_ID:20152 EP_NO: 11201 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 3 of 3: 8-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Pump and gate valve on the waterside (WS) berm. 4-foot-diameter concrete standpipe on the landside (LS) toe. Y-ramp on the WS slope. (Automatic Board Order (ABO) issued as Permit No. 11201, 1975 - Joseph Brun). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 294+25.1)]. FS Date: 6/11/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_14966\_24630.jpg



4-foot concrete standpipe on LS toe.

LM Start	6.59	Rating **	U	Issue No.	164
LM End	6.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.177438 °	38.176647 °
				-121.579151 °	-121.579560 °
DWR ID	DWR_RD0563_01_s_2016_164				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (dead berry vines) at landside toe should be removed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_164\_20190311\_00116.jpg



Looking east at dense vegetation (vines) at landward toe.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.61	Rating **	M	Issue No.	89
LM End	7.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.177202 °	38.167959 °
				-121.579439 °	-121.581616 °
DWR ID	DWR_RD0563_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 5.3 L					
Status: Eroding					
2017 Field Notes: Site extended upstream, increased toe erosion from boat wake/tide action, RD has placed rock on levee slope in places.					
Site History: 1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2016 - Fresh erosion observed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_89\_20190311\_00058.jpg



USACE 2013 Photo #1

LM Start	6.64	Rating **	M	Issue No.	766
LM End	6.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.176820 °	38.176820 °
				-121.579444 °	-121.579444 °
DWR ID	DWR_RD0563_01_s_2015_766				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.66	Rating **	M	Issue No.	793
LM End	6.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.176465 °	38.176465 °
				-121.579615 °	-121.579615 °
DWR ID	20153				
Comment Code					
Inspector Comment					
FS_ID:40790					
DS_ID:20153					
EP_NO: 11202					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Vent/filler pipe in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder, and a 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11202, 1975 - Peter L. and Marian M. Campi).					
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 289+22.9)].					
FS Date: 6/11/2013					

LM Start	<b>6.66</b>	Rating **	M	Issue No.	<b>793 (cont)</b>
LM End	<b>6.66</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_40790\_24633.jpg



7'X9' concrete distribution box on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_40790\_24632.jpg



24-inch CMP standpipe with vent/filler pipe on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.66	Rating **	M	Issue No.	793 (cont)	
LM End	6.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.176465 °	38.176465 °	
				-121.579615 °	-121.579615 °	
DWR ID	20153					
Comment Code						
Inspector Comment						
FS_ID:40790						
DS_ID:20153						
EP_NO: 11202						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Vent/filler pipe in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder, and a 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11202, 1975 - Peter L. and Marian M. Campi).						
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 289+22.9)].						
FS Date: 6/11/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_40790\_24631.jpg



Steel walkway support for pipe on WS toe.

LM Start	6.67	Rating **	C	Issue No.	128
LM End	6.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.176387 °	38.176387 °
				-121.579670 °	-121.579670 °
DWR ID	DWR_RD0563_01_s_2017_128				
Comment Code					
PR : Prunings					
Inspector Comment					
Broken tree branches and limbs on landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

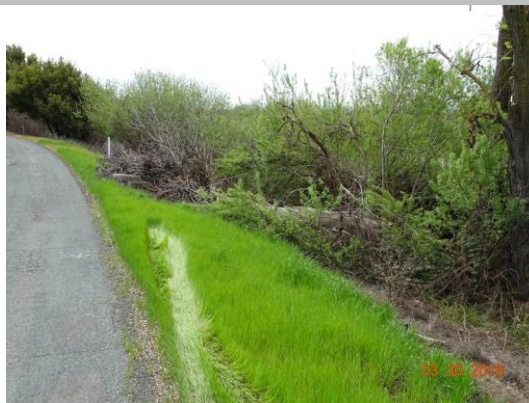
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.74	Rating **	U	Issue No.	93
LM End	6.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175352 °	38.175352 °
				-121.580177 °	-121.580177 °
DWR ID	DWR_RD0563_01_s_2018_93				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree should be removed from waterside slope and shoulder.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_93\_20190311\_00064.jpg



Remove fallen tree from levee slope.

LM Start	6.75	Rating **	U	Issue No.	145
LM End	6.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.175219 °	38.174743 °
				-121.580053 °	-121.580016 °
DWR ID	DWR_RD0563_01_s_2014_145				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Untrimmed trees blocking view of landside toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_145\_20190311\_00106.jpg



Looking southeast at dense vegetation on landward slope and toe.

LM Start	6.80	Rating **	U	Issue No.	75
LM End	6.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174598 °	38.174125 °
				-121.579972 °	-121.579892 °
DWR ID	DWR_RD0563_01_s_2013_75				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is dense landscaping on the landside shoulder, slope, and toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_75\_20190311\_00040.jpg

Looking south at dense landscaping on landward shoulder and slope.  
(Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.84	Rating **	M	Issue No.	113
LM End	6.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173985 °	38.173985 °
				-121.579847 °	-121.579847 °
DWR ID	DWR_RD0563_01_s_2018_113				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	6.84	Rating **	U	Issue No.	119
LM End	6.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.173912 °	38.173523 °
				-121.579838 °	-121.579737 °
DWR ID	DWR_RD0563_01_s_2018_119				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Thick landscaping prohibits inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_119\_20190311\_00082.jpg



Thick landside landscaping preventing inspection and access.

LM Start	6.89	Rating **	M	Issue No.	87
LM End	6.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173323 °	38.173323 °
				-121.579628 °	-121.579628 °
DWR ID	DWR_RD0563_01_s_2013_87				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	6.91	Rating **	M	Issue No.	156
LM End	9.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.172929 °	38.147464 °
				-121.579563 °	-121.586201 °
DWR ID	DWR_RD0563_01_s_2019_156				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.95	Rating **	M	Issue No.	95
LM End	6.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.172351 °	38.172351 °
				-121.579520 °	-121.579520 °
DWR ID	DWR_RD0563_01_f_2012_95				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree should be removed from waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_95\_20190311\_00066.jpg



Looking southwest at tree on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.04	Rating **	M	Issue No.	794	
LM End	7.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.171156 °		38.171156 °
				-121.579756 °		-121.579756 °
DWR ID	20154					
Comment Code						
Inspector Comment						
FS_ID:14968 DS_ID:20154 EP_NO: 11214 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify type of abandonment. Wide berm on LS toe with some evidence of steel slide gate in soil at berm. FIELD_STRUCT_DESC: 1 of 2: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Siphon breaker on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 11214, 1975 - River Island Land Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 269+36) 1-inch air and primer valve, reinforced concrete spillbox]. FS Date: 6/13/2013						

LM Start	<b>7.04</b>	Rating **	M	Issue No.	<b>794 (cont)</b>
LM End	<b>7.04</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_14968\_24637.jpg



Steel parts on LS toe may indicate location of distribution box.

Photo 2 of 3 : UCIP\_SP\_2019\_14968\_24636.jpg



Steel parts on LS toe may indicate location of distribution box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.04	Rating **	M	Issue No.	794 (cont)	
LM End	7.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.171156 °	38.171156 °	
				-121.579756 °	-121.579756 °	
DWR ID	20154					
Comment Code						
Inspector Comment						
FS_ID:14968 DS_ID:20154 EP_NO: 11214 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify type of abandonment. Wide berm on LS toe with some evidence of steel slide gate in soil at berm. FIELD_STRUCT_DESC: 1 of 2: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Siphon breaker on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 11214, 1975 - River Island Land Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 269+36) 1-inch air and primer valve, reinforced concrete spillbox]. FS Date: 6/13/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_14968\_24635.jpg



Wide berm on LS toe.

LM Start	7.07	Rating **	U	Issue No.	151
LM End	7.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.170693 °	38.170693 °
				-121.579968 °	-121.579968 °
DWR ID	DWR_RD0563_01_f_2014_151				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense berry vines at landside toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_151\_20190311\_00112.jpg



Looking southeast at dense vegetation at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.14	Rating **	M	Issue No.	148
LM End	7.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169717 °	38.169717 °
				-121.580328 °	-121.580328 °
DWR ID	DWR_RD0563_01_f_2018_148				
Comment Code					
DE : Debris					
Inspector Comment					
There are prunings on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_148\_20190311\_00108.jpg



View of prunings on landside slope (October 2018).

LM Start	7.36	Rating **	M	Issue No.	795	
LM End	7.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.166832 °	38.166832 °	
				-121.582112 °	-121.582112 °	
DWR ID	20155					
Comment Code						
Inspector Comment						
FS_ID:42743						
DS_ID:20155						
EP_NO: 11214						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Good candidate for video inspection.						
FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation siphon through the levee, 0.5 feet below the crown. Vent and filler pipe on the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 11214, 1975 - River Island Land Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 252+40.7)].						
FS Date: 6/13/2013						

Photo 1 of 2 : UCIP\_SP\_2019\_42743\_24641.jpg



Pipe visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.36	Rating **	M	Issue No.	795 (cont)	
LM End	7.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.166832 °	38.166832 °	
				-121.582112 °	-121.582112 °	
DWR ID	20155					
Comment Code						
Inspector Comment						
FS_ID:42743 DS_ID:20155 EP_NO: 11214 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation siphon through the levee, 0.5 feet below the crown. Vent and filler pipe on the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 11214, 1975 - River Island Land Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 252+40.7)]. FS Date: 6/13/2013						

Photo 2 of 2 : UCIP\_SP\_2019\_42743\_24640.jpg



Pipe, vent, and filler valve on LS shoulder.

LM Start	7.53	Rating **	U	Issue No.	85
LM End	7.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.164462 °	38.160888 °
				-121.583092 °	-121.584807 °
DWR ID	DWR_RD0563_01_f_2018_85				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 4.5 L					
Status: Critical					
2018: Erosion happening at berm, 15 to 20' from the levee hinge point from the berm in some places, erosion into levee toe at other spots (Djulian).					
2017 Field Notes: Numerous areas of bank erosion, with vertical sections up to the levee hinge.					
Site History: 1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2016 - Fresh erosion observed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_85\_20190311\_00055.jpg



USACE 2013 Photo #1

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.62	Rating **	A/W	Issue No.	97
LM End	7.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.163240 °	38.163240 °
				-121.583328 °	-121.583328 °
DWR ID	DWR_RD0563_01_s_2013_97				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor erosion on landside shoulder and slope should be monitored.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_97\_20190311\_00067.jpg



Looking east at slope erosion on landward shoulder and slope.

LM Start	7.71	Rating **	A/W	Issue No.	158
LM End	7.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.162056 °	38.162056 °
				-121.584043 °	-121.584043 °
DWR ID	DWR_RD0563_01_s_2019_158				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The beaver hole was repaired by the LMA.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_158\_20190405\_00233.jpg



View of waterside slope repaired by LMA. A beaver hole was discovered on the waterside slope (Spring 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.72	Rating **	M	Issue No.	796
LM End	7.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.161873 °	38.161873 °
				-121.584109 °	-121.584109 °
DWR ID	20185				
Comment Code					
Inspector Comment					
FS_ID:16304					
DS_ID:20185					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slight depression in crown along pipe alignment may be indication of pipe internal failure. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 5.1 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 233+50.5)].					
FS Date: 6/13/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_16304\_27464.jpg



Pipe visible on WS toe.

LM Start	<b>7.72</b>	Rating **	M	Issue No.	<b>796 (cont)</b>
LM End	<b>7.72</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_16304\_27463.jpg



Pipe visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.74	Rating **	M	Issue No.	29
LM End	7.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.161607 °	38.161092 °
				-121.584258 °	-121.584470 °
DWR ID	DWR_RD0563_01_s_2012_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dense (untrimmed) trees on landside slope. Branches on ground should also be removed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_29\_20190311\_00013.jpg



Looking southeast at dense trees on landward slope and toe.

LM Start	7.80	Rating **	U	Issue No.	90
LM End	7.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160800 °	38.158922 °
				-121.584598 °	-121.585433 °
DWR ID	DWR_RD0563_01_s_2012_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry vines and willows are on the landside toe.					

Photo 1 of 3 : SP\_2019\_RD0563\_210\_90\_20190311\_00059.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

LM Start	<b>7.80</b>	Rating **	U	Issue No.	<b>90 (cont)</b>
LM End	<b>7.94</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0563\_210\_90\_20190311\_00060.jpg



Looking northeast at dense vegetation on landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.80	Rating **	U	Issue No.	90 (cont)	
LM End	7.94	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.160800 °	38.158922 °	
				-121.584598 °	-121.585433 °	
DWR ID	DWR_RD0563_01_s_2012_90					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berry vines and willows are on the landside toe.						

Photo 3 of 3 : SP\_2019\_RD0563\_210\_90\_20190311\_00061.jpg



Looking south at dense vegetation on landside toe. (2012 Fall Inspection)

LM Start	7.85	Rating **	M	Issue No.	84
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.160261 °	38.157625 °
				-121.585056 °	-121.586543 °
DWR ID	DWR_RD0563_01_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 4.3 L					
Status: Eroding					
2017 Field Notes: The worst sections have been filled with quarry stone, but still areas of concern.					
Site History: 1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2013 - Some of the downstream end was repaired by the RD. 2016 - Fresh erosion observed.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_84\_20190311\_00054.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	7.92	Rating **	M	Issue No.	797	
LM End	7.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.159207 °	38.159207 °	
				-121.585304 °	-121.585304 °	
DWR ID	23973					
Comment Code						
Inspector Comment						
FS_ID:16263						
DS_ID:23973						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to determine disposition of all gas lines in this immediate area.						
FIELD_STRUCT_DESC: Gas line of an unknown size or material through the levee, at an unknown depth. Gas line marker on the WS shoulder.						
FS Date: 6/13/2013						

Photo 1 of 2 : UCIP\_SP\_2019\_16263\_27401.jpg



Sign on WS shoulder.

LM Start	<b>7.92</b>	Rating **	M	Issue No.	<b>797 (cont)</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_16263\_27400.jpg



Sign on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	8.12	Rating **	M	Issue No.	83
LM End	8.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.156987 °	38.152919 °
				-121.587427 °	-121.591129 °
DWR ID	DWR_RD0563_01_f_2018_83				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 3.8 L					
Status: Eroding					
2017 Field Notes: Fresh toe erosion, significant undercutting and slumping.					
Site History: 1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012 - Rock has been placed in some of the erosion pockets since last year, however site remains critical. 2013 - Site no longer critical. The worst pockets were filled with rock by the local RD.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_83\_20190311\_00053.jpg



USACE 2013 Photo #1

LM Start	8.13	Rating **	M	Issue No.	799
LM End	8.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.156884 °	38.156884 °
				-121.587464 °	-121.587464 °
DWR ID	20160				
Comment Code					
Inspector Comment					
FS_ID:14988					
DS_ID:20160					
EP_NO: 9145					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe.					
FIELD_STRUCT_DESC: 2 of 2: 16-inch steel irrigation pipe through the levee, 3 feet below the crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on the landside (LS) shoulder with a slide gate in a 48-inch steel standpipe on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9145, 1973 - care of John Lewallen). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 212+44.5)].					
FS Date: 6/13/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_14988\_24670.jpg



air vent/filler pipe on LS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	8.13	Rating **	M	Issue No.	799 (cont)	
LM End	8.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.156884 °	38.156884 °	
				-121.587464 °	-121.587464 °	
DWR ID	20160					
Comment Code						
Inspector Comment						
FS_ID:14988 DS_ID:20160 EP_NO: 9145 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe. FIELD_STRUCT_DESC: 2 of 2: 16-inch steel irrigation pipe through the levee, 3 feet below the crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on the landside (LS) shoulder with a slide gate in a 48-inch steel standpipe on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9145, 1973 - care of John Lewallen). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 212+44.5)]. FS Date: 6/13/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_14988\_24669.jpg



Slide gate in steel riser on LS toe.

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>799 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_14988\_24668.jpg



Pipe visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	8.18	Rating **	U	Issue No.	767
LM End	8.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156878 °	38.156945 °
				-121.588505 °	-121.589258 °
DWR ID	DWR_RD0563_01_s_2015_767				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead dense vegetation blocking landside toe.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_767\_20190311\_00120.jpg



Looking south at the landside slope.

LM Start	8.38	Rating **	M	Issue No.	31
LM End	8.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.155974 °	38.155543 °
				-121.591452 °	-121.591595 °
DWR ID	DWR_RD0563_01_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_31\_20190311\_00014.jpg



Looking southeast at untrimmed trees on landward slope and toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	8.47	Rating **	M	Issue No.	800 (cont)	
LM End	8.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.154648 °	38.154648 °	
				-121.591609 °	-121.591609 °	
DWR ID	20161					
Comment Code						
Inspector Comment						
FS_ID:14990 DS_ID:20161 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 11: 12-inch steel irrigation siphon pipe through the levee, 3.6 feet below the crown. Vent/filler pipe on the landside (LS) shoulder, and a slide gate in a 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 193+23.5)]. FS Date: 6/13/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_14990\_24675.jpg



7'X9' concrete distribution box on LS toe.

LM Start	8.64	Rating **	C	Issue No.	149
LM End	8.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.152447 °	38.152447 °
				-121.590355 °	-121.590355 °
DWR ID	DWR_RD0563_01_f_2018_149				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	8.88	Rating **	M	Issue No.	801
LM End	8.88	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.150420 °	38.150420 °
				-121.586840 °	-121.586840 °
DWR ID	20163				
Comment Code					
Inspector Comment					
FS_ID:16292 DS_ID:20163 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Slide gate broken. FIELD_STRUCT_DESC: 3 of 11: 14-inch steel irrigation pipe through the levee, 4.2 feet below the crown. Vent/filler pipe on the landside (LS) shoulder. Slide gate in 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 171+57.5)]. FS Date: 6/13/2013					

LM Start	<b>8.88</b>	Rating **	M	Issue No.	<b>801 (cont)</b>
LM End	<b>8.88</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_16292\_27453.jpg



Pipe visible on WS toe. See damage to pipe at bend.

Photo 2 of 3 : UCIP\_SP\_2019\_16292\_27452.jpg



Concrete distribution box at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	8.88	Rating **	M	Issue No.	801 (cont)	
LM End	8.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.150420 °	38.150420 °	
				-121.586840 °	-121.586840 °	
DWR ID	20163					
Comment Code						
Inspector Comment						
FS_ID:16292 DS_ID:20163 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Slide gate broken. FIELD_STRUCT_DESC: 3 of 11: 14-inch steel irrigation pipe through the levee, 4.2 feet below the crown. Vent/filler pipe on the landside (LS) shoulder. Slide gate in 7-foot by 9-foot concrete distribution box on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 171+57.5)]. FS Date: 6/13/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_16292\_27451.jpg



Broken slide gate in 7'X9' concrete distribution box on LS toe.

LM Start	9.10	Rating **	A/W	Issue No.	103
LM End	9.42	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.147360 °	38.146850 °
				-121.586300 °	-121.590840 °
DWR ID	DWR_RD0563_01_s_2018_103				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:71					
Site Designation:DWR_RD0563_01_R_2012_03					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.20	Rating **	M	Issue No.	106
LM End	9.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.146167 °	38.145835 °
				-121.587483 °	-121.588532 °
DWR ID	DWR_RD0563_01_f_2013_106				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.25	Rating **	M	Issue No.	768
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.145897 °	38.145897 °
				-121.588203 °	-121.588203 °
DWR ID	DWR_RD0563_01_s_2015_768				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_768\_20190311\_00121.jpg



Looking south at the landside slope.

LM Start	<b>9.25</b>	Rating **	M	Issue No.	<b>768 (cont)</b>
LM End	<b>9.25</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_768\_20190311\_00122.jpg



Looking at untrimmed tree on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.28	Rating **	U	Issue No.	98
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.145825 °	38.145825 °
				-121.588807 °	-121.588807 °
DWR ID	DWR_RD0563_01_s_2013_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_98\_20190311\_00068.jpg



Looking southeast at untrimmed trees on landward slope.

LM Start	9.33	Rating **	C	Issue No.	73
LM End	9.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.145957 °	38.145957 °
				-121.589653 °	-121.589653 °
DWR ID	DWR_RD0563_01_s_2012_73				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile on landside toe.					

No Photos

LM Start	9.36	Rating **	M	Issue No.	769
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146276 °	38.147034 °
				-121.590189 °	-121.590907 °
DWR ID	DWR_RD0563_01_s_2015_769				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_769\_20190311\_00123.jpg



Looking east at dense vegetation at landward toe. (Spring 2015)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.56	Rating **	M	Issue No.	802
LM End	9.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.148741 °	38.148741 °
				-121.592048 °	-121.592048 °
DWR ID	20166				
Comment Code					
Inspector Comment					
FS_ID:52765 DS_ID:20166 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/13/2018 Appears abandoned as stand pipe is partially filled with soil. Abandon properly. No pictures taken. (W.Wylie) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Vent/filler pipe on the landside (LS) shoulder. 4-foot-diameter concrete standpipe on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 136+45.1)]. FS Date: 7/13/2018					

Photo 1 of 2 : UCIP\_SP\_2019\_52765\_77766.jpg



View of levee crown at the crossing.

LM Start	<b>9.56</b>	Rating **	M	Issue No.	<b>802 (cont)</b>
LM End	<b>9.56</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_52765\_77767.jpg



View of standpipe on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.64	Rating **	M	Issue No.	36
LM End	9.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.149790 °	38.149790 °
				-121.592788 °	-121.592788 °
DWR ID	DWR_RD0563_01_s_2012_36				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Vegetation blocking view of levee slope.					

No Photos

LM Start	9.65	Rating **	M	Issue No.	99
LM End	9.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.149905 °	38.149905 °
				-121.592910 °	-121.592910 °
DWR ID	DWR_RD0563_01_s_2019_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Minor erosion on landside shoulder and slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_99\_20190311\_00069.jpg



Looking west at minor erosion on landward shoulder and slope.

LM Start	<b>9.65</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>9.65</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_99\_20190311\_00070.jpg



Looking north at minor erosion on landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.73	Rating **	A/W	Issue No.	82
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.150820 °	38.150647 °
				-121.593650 °	-121.596858 °
DWR ID	DWR_RD0563_01_f_2018_82				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 2.5 L					
Status: Eroding					
2017 Field Notes: Head scarp observed.					
Site History: 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013 - Some rock added to the upstream end by the local RD.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_82\_20190311\_00052.jpg



USACE 2013 Photo #1

LM Start	9.73	Rating **	A/W	Issue No.	105	
LM End	9.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.150820 °	38.151196 °	
				-121.593650 °	-121.594780 °	
DWR ID	DWR_RD0563_01_s_2018_105					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:70						
Site Designation:DWR_RD0563_01_s_2012_49						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/9/2017						
Notes:						

Photo 1 of 3 : LEVAL\_SP\_2019\_70\_662.jpg



\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.73	Rating **	A/W	Issue No.	105 (cont)	
LM End	9.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.150820 °	38.151196 °	
				-121.593650 °	-121.594780 °	
DWR ID	DWR_RD0563_01_s_2018_105					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:70						
Site Designation:DWR_RD0563_01_s_2012_49						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/9/2017						
Notes:						

Photo 2 of 3 : LEVAL\_SP\_2019\_70\_667.jpg



Photo 3 of 3 : LEVAL\_SP\_2019\_70\_669.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.87	Rating **	C	Issue No.	124
LM End	9.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.150800 °	38.150800 °
				-121.596297 °	-121.596297 °
DWR ID	DWR_RD0563_01_s_2018_124				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Severe erosion site on sandy levee should be monitored and repaired before winter 2018/19.					

No Photos

LM Start	9.88	Rating **	M	Issue No.	803	
LM End	9.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.150654 °	38.150654 °	
				-121.596525 °	-121.596525 °	
DWR ID	20167					
Comment Code						
Inspector Comment						
FS_ID:52766						
DS_ID:20167						
EP_NO: 11217						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 07/13/2018 Fall hazard: 5-foot-diameter steel standpipe on LS needs to be covered. (O.Yakimov-DWR UCIP)						
FIELD_STRUCT_DESC: 14-inch steel irrigation siphon pipe through the levee, 4.3 feet below the crown. Vent/filler pipe on the landside (LS) shoulder, and a slide gate in a 5-foot-diameter steel standpipe at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 119+16) (16-inch pipe listed)].						
FS Date: 7/13/2018						

Photo 1 of 3 : UCIP\_SP\_2019\_52766\_24688.jpg



Pipe visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	9.88	Rating **	M	Issue No.	803 (cont)	
LM End	9.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.150654 °		38.150654 °
				-121.596525 °		-121.596525 °
DWR ID	20167					
Comment Code						
Inspector Comment						
FS_ID:52766 DS_ID:20167 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/13/2018 Fall hazard: 5-foot-diameter steel standpipe on LS needs to be covered. (O.Yakimov-DWR UCIP) FIELD_STRUCT_DESC: 14-inch steel irrigation siphon pipe through the levee, 4.3 feet below the crown. Vent/filler pipe on the landside (LS) shoulder, and a slide gate in a 5-foot-diameter steel standpipe at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 119+16) (16-inch pipe listed)]. FS Date: 7/13/2018						

LM Start	<b>9.88</b>	Rating **	M	Issue No.	<b>803 (cont)</b>
LM End	<b>9.88</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52766\_24687.jpg



vent and standpipe visible on LS slope.

Photo 3 of 3 : UCIP\_SP\_2019\_52766\_24686.jpg



Vent/filler pipe on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

# Reclamation District No. 0563 Tyler Island

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	10.59	Rating **	M	Issue No.	76
LM End	10.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.141940 °	38.141940 °
				-121.598033 °	-121.598033 °
DWR ID	DWR_RD0563_01_s_2012_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a deep depression on the landside shoulder and slope; possible pipe collapse.					

Photo 1 of 4 : SP\_2019\_RD0563\_210\_76\_20190311\_00041.jpg



Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2019\_RD0563\_210\_76\_20190311\_00042.jpg



Looking east at water ponding at landside toe just above 10" irrigation pipe.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2019\_RD0563\_210\_76\_20190311\_00043.jpg



Looking west at depression on landside shoulder and slope from landside toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	10.59	Rating **	M	Issue No.	76 (cont)	
LM End	10.59	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.141940 °		38.141940 °
				-121.598033 °		-121.598033 °
DWR ID	DWR_RD0563_01_s_2012_76					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
There is a deep depression on the landside shoulder and slope; possible pipe collapse.						

Photo 4 of 4 : SP\_2019\_RD0563\_210\_76\_20190311\_00044.jpg



Looking west at depression on landside shoulder and slope.

LM Start	10.99	Rating **	M	Issue No.	804
LM End	10.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.136937 °	38.136937 °
				-121.594521 °	-121.594521 °
DWR ID	20170				
Comment Code					
Inspector Comment					
FS_ID:52767 DS_ID:20170 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/13/2013 Pipe does not have appropriate clearance at Levee crown. (W.Wylie) FIELD_STRUCT_DESC: 16-inch steel irrigation siphon pipe through the levee, 1 foot below the crown. Air vent/filler pipe on the landside (LS) shoulder. Slide gate in a 5-foot-diameter steel standpipe on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 60+34) (14-inch pipe listed)]. FS Date: 7/13/2018					

Photo 1 of 3 : UCIP\_SP\_2019\_52767\_24691.jpg



Vent/filler on pipe at LS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	10.99	Rating **	M	Issue No.	804 (cont)	
LM End	10.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.136937 °		38.136937 °
				-121.594521 °		-121.594521 °
DWR ID	20170					
Comment Code						
Inspector Comment						
FS_ID:52767 DS_ID:20170 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/13/2013 Pipe does not have appropriate clearance at Levee crown. (W.Wylie) FIELD_STRUCT_DESC: 16-inch steel irrigation siphon pipe through the levee, 1 foot below the crown. Air vent/filler pipe on the landside (LS) shoulder. Slide gate in a 5-foot-diameter steel standpipe on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 60+34) (14-inch pipe listed)]. FS Date: 7/13/2018						

LM Start	<b>10.99</b>	Rating **	M	Issue No.	<b>804 (cont)</b>
LM End	<b>10.99</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52767\_77770.jpg



View of levee crown at the crossing.

Photo 3 of 3 : UCIP\_SP\_2019\_52767\_24689.jpg



Pipe visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	11.01	Rating **	M	Issue No.	770
LM End	12.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.136623 °	38.130739 °
				-121.594216 °	-121.579678 °
DWR ID	DWR_RD0563_01_s_2015_770				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is dense vegetation (wild roses) at the landside toe.					

LM Start	<b>11.01</b>	Rating **	M	Issue No.	<b>770 (cont)</b>
LM End	<b>12.00</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP\_2019\_RD0563\_210\_770\_20190311\_00124.jpg



Looking southeast at the landside slope.

Photo 2 of 3 : SP\_2019\_RD0563\_210\_770\_20190311\_00125.jpg



Looking northeast at dead vines at landward toe. (Spring 2017)

LM Start	<b>11.01</b>	Rating **	M	Issue No.	<b>770 (cont)</b>
LM End	<b>12.00</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0563\_210\_770\_20190311\_00126.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	11.25	Rating **	M	Issue No.	118
LM End	11.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.134149 °	38.134149 °
				-121.591281 °	-121.591281 °
DWR ID	DWR_RD0563_01_f_2017_118				
Comment Code					
EQ : Equipment					
Inspector Comment					
Pipe bundles stored on landside slope.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_118\_20190311\_00081.jpg



Looking east at the landside slope.

LM Start	11.56	Rating **	M	Issue No.	63
LM End	11.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.130544 °	38.129968 °
				-121.587607 °	-121.585981 °
DWR ID	DWR_RD0563_01_f_2018_63				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 0.3 L					
Status: Eroding					
2017 Field Notes: Site shortened. New rock placed on levee slope in erosion pockets.					
Site History: 1997 - Erosion pockets into the levee toe. 1999 - Some small pockets fixed with rock riprap. 2002 - New "brush boxes" along the bank toe. 2005 - Brush boxes are empty. Some pockets are filled with new stone. 2006 - Some new rock at the downstream end (~100 ft long). Several small pockets of new rock in scallops. Brush boxes in poor to fair condition. 2010 - Site looks a little worse, some toe rock but still has erosion scars at lower to mid slope. 2011 - Site upgraded to CRITICAL. Significant new erosion. Erosion scallops are vertical and almost the height of the levee. 2012 - Rock has been placed in some of the erosion scallops and therefore the site is no longer critical. 2013 - Site shortened site. The downstream half of site was repaired by RD. Pipe no longer in site limits.					

Photo 1 of 1 : SP\_2019\_RD0563\_210\_63\_20190311\_00022.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	11.76	Rating **	M	Issue No.	805
LM End	11.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.130291 °	38.130291 °
				-121.583981 °	-121.583981 °
DWR ID	20174				
Comment Code					
Inspector Comment					
FS_ID:52769 DS_ID:20174 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/13/2013 Pipe appears abandoned and should be done so properly. (W.Wylie) FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the levee, 4.5 feet below the crown. Air vent on the landside (LS) shoulder, and slide gate in a 7-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11217, 1975 - Owen E. Wilkenson). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 19+23.5)]. FS Date: 7/13/2018					

LM Start	<b>11.76</b>	Rating **	M	Issue No.	<b>805 (cont)</b>
LM End	<b>11.76</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_52769\_24705.jpg



Vent and distribution box visible on LS.

Photo 2 of 3 : UCIP\_SP\_2019\_52769\_24704.jpg



Distribution box and slide gate visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

# Reclamation District No. 0563 Tyler Island

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	12.00	Rating **	A/W	Issue No.	806 (cont)	
LM End	12.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.130726 °		38.130726 °
				-121.579646 °		-121.579646 °
DWR ID	20172					
Comment Code						
Inspector Comment						
FS_ID:52771 DS_ID:20172 EP_NO: 11213 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 1 foot below the crown. Pump on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (18-inch pipe [HLM 12.28] at a depth of 4-feet authorized under Automatic Board Order (ABO) issued as Permit No. 11213, 1975 - Reclamation District No. 563). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 6+48.9)]. FS Date: 7/13/2018						

LM Start	<b>12.00</b>	Rating **	A/W	Issue No.	<b>806 (cont)</b>
LM End	<b>12.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_52771\_24730.jpg



20-inch pipe on LS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_52771\_24729.jpg



Pipe and siphon breaker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	12.00	Rating **	M	Issue No.	807
LM End	12.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.130730 °	38.130730 °
				-121.579616 °	-121.579616 °
DWR ID	20182				
Comment Code					
Inspector Comment					
FS_ID:15028 DS_ID:20182 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify pipe is properly abandoned. FIELD_STRUCT_DESC: *REMOVED* 1 of 2: 36-inch steel drainage pipe through the levee, 4 feet below the crown. Shutoff valve at pump. Pipe visible on the waterside (WS) at headwall. (Replaced by a 30-inch pipe under Permit No. 2635, 1957 - Reclamation District No. 563). [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 6+39)]. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_15028\_24736.jpg



Pipe at concrete headwall on WS slope.

LM Start	12.00	Rating **	M	Issue No.	807 (cont)
LM End	12.00	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_15028\_24735.jpg



Pipe at concrete headwall on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	04/05/2019 04/05/2019	David Julian

LM Start	12.04	Rating **	M	Issue No.	47
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130758 °	38.130758 °
				-121.579027 °	-121.579027 °
DWR ID	DWR_RD0563_01_s_2012_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree on landside slope.					

Photo 1 of 2 : SP\_2019\_RD0563\_210\_47\_20190311\_00018.jpg



Looking northeast at the landside slope.

LM Start	<b>12.04</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>12.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0563\_210\_47\_20190311\_00019.jpg



Looking northeast at untrimmed tree at landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---